

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

6194191

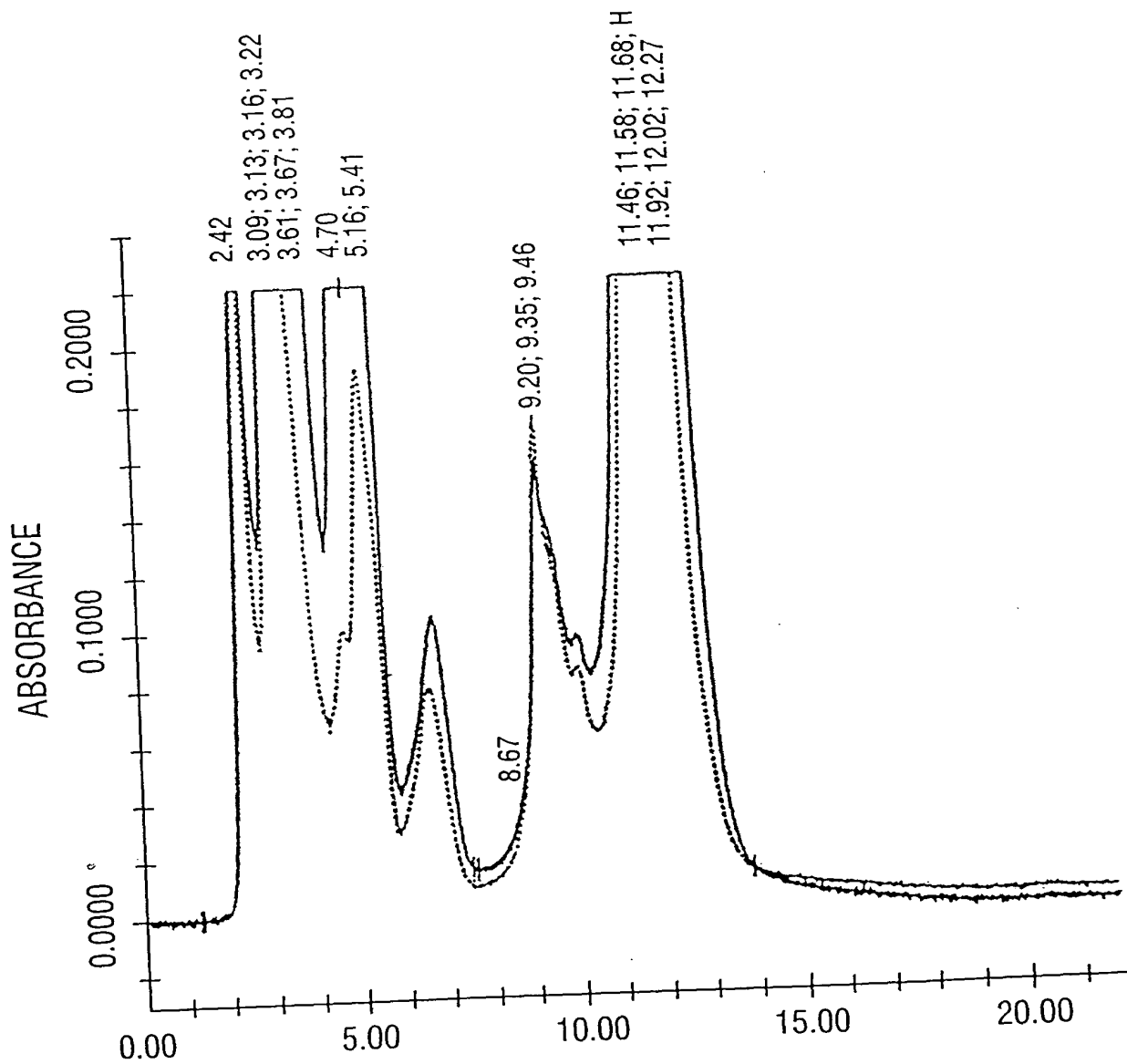


FIG. 1A

APPROVED	O.G, FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

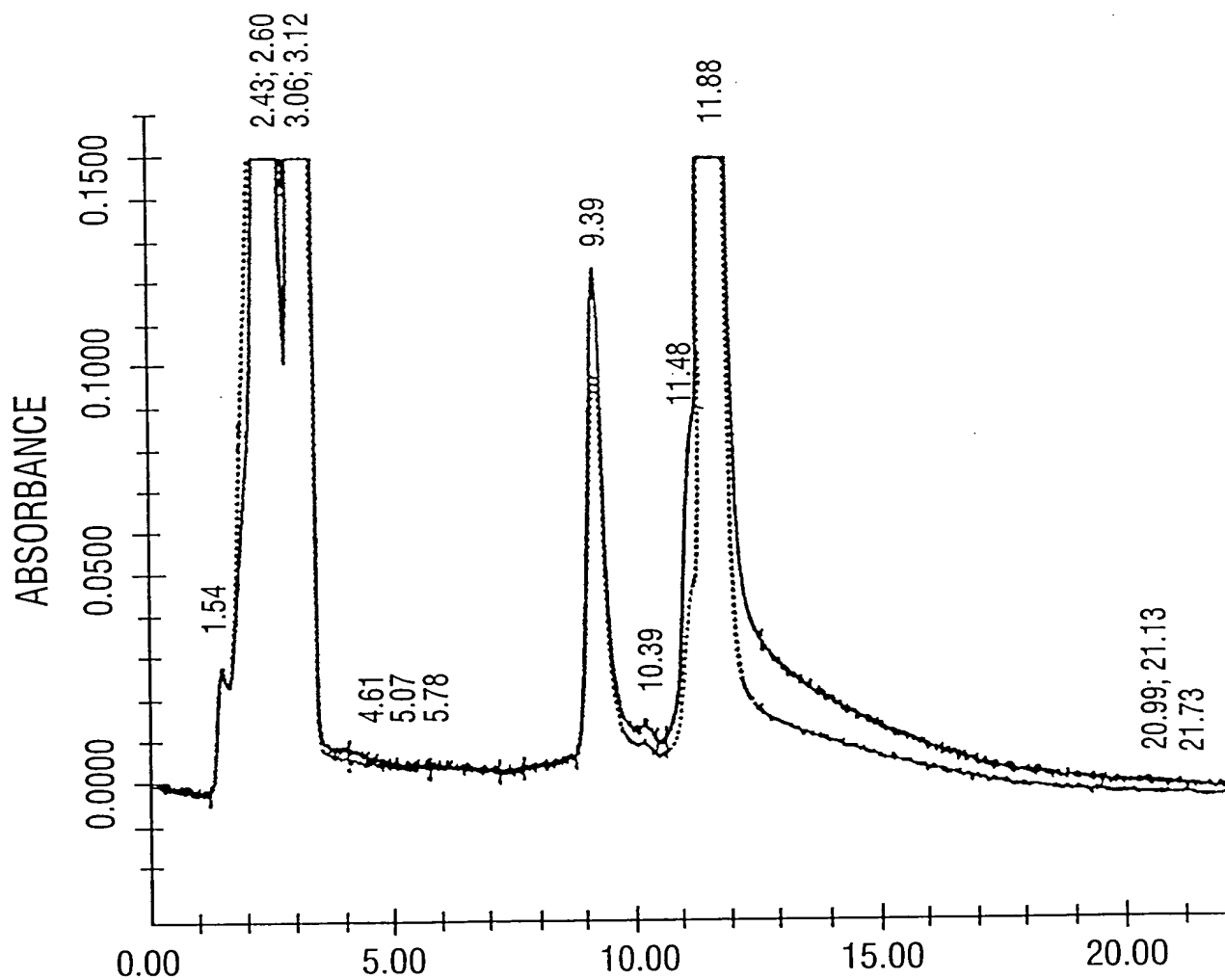


FIG. 1B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

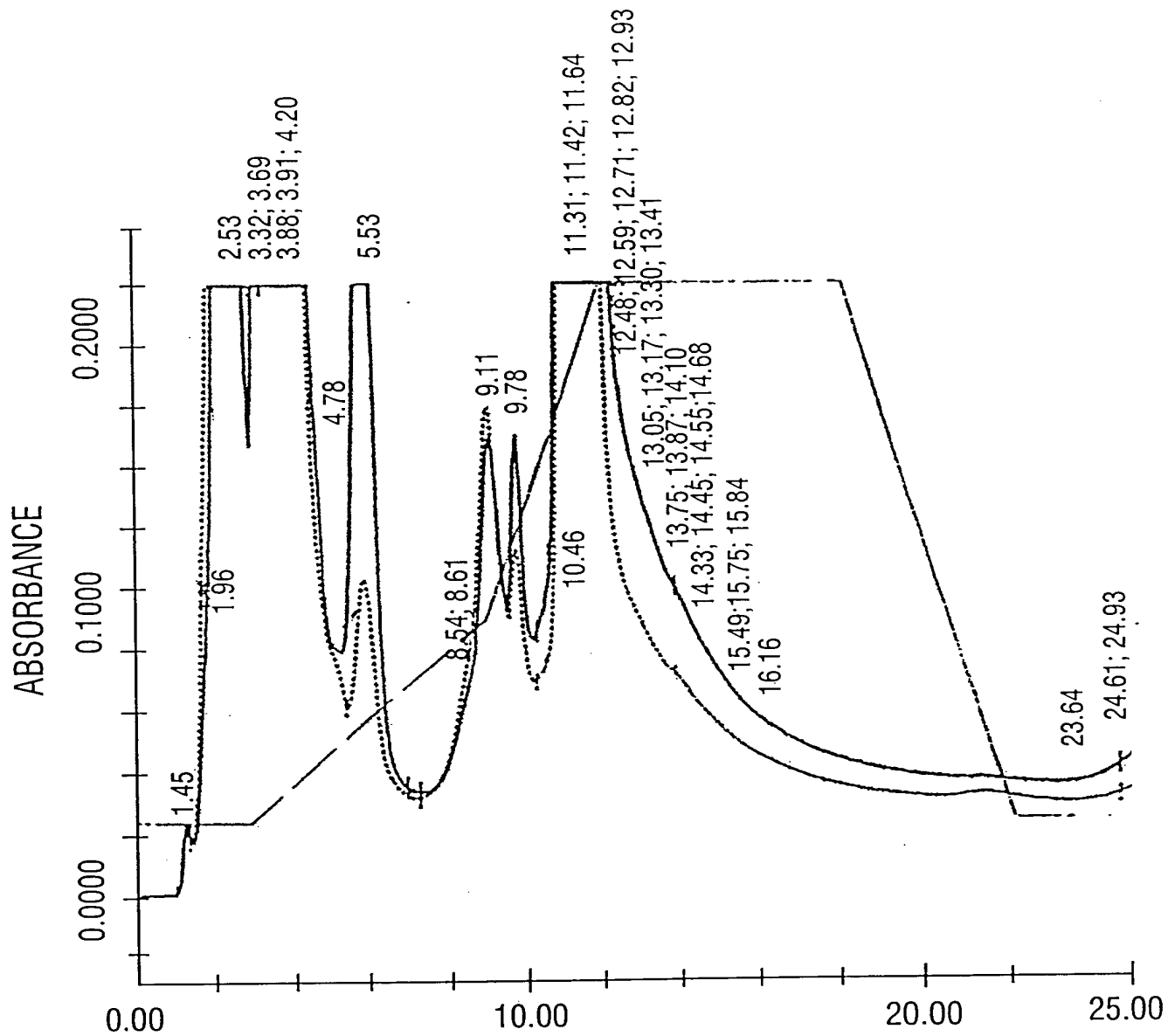


FIG. 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

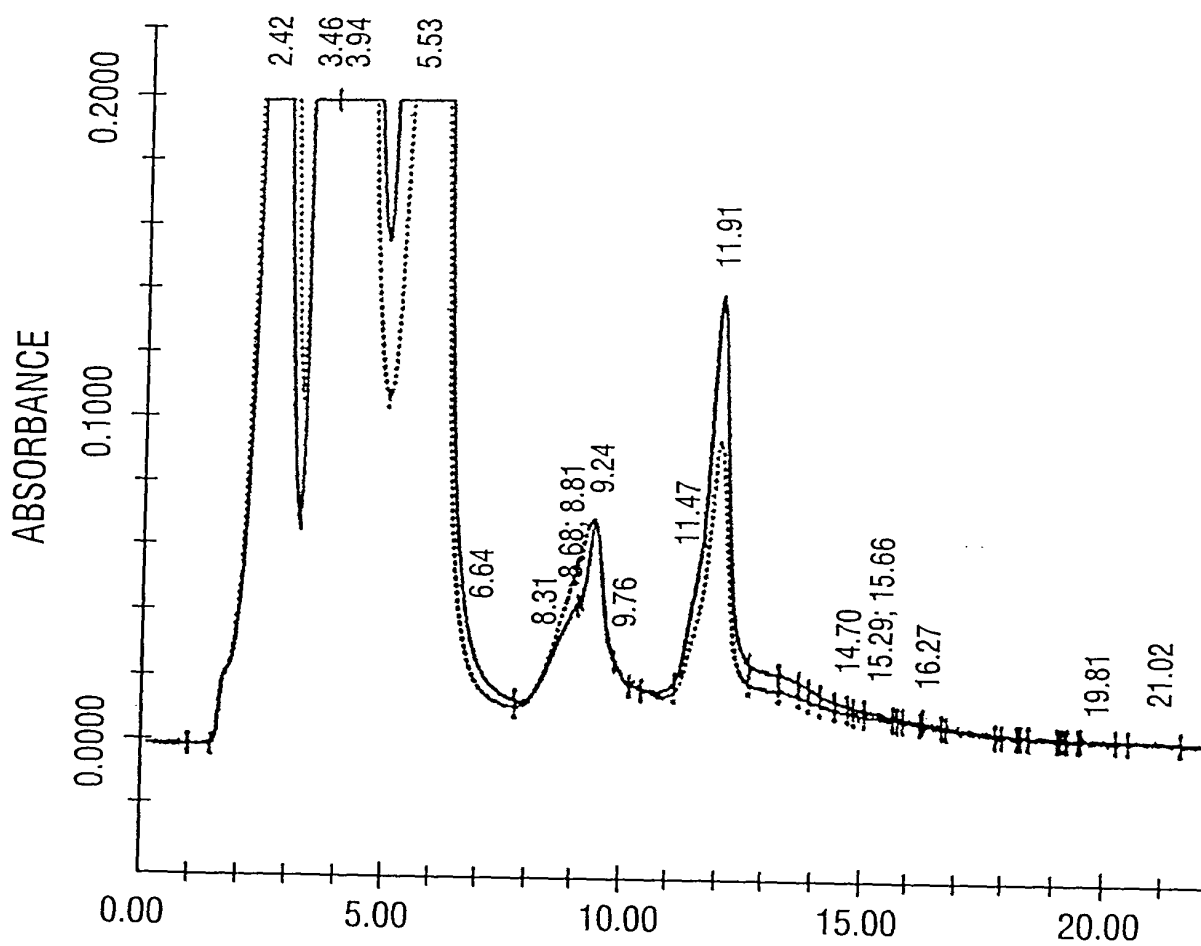


FIG. 3A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

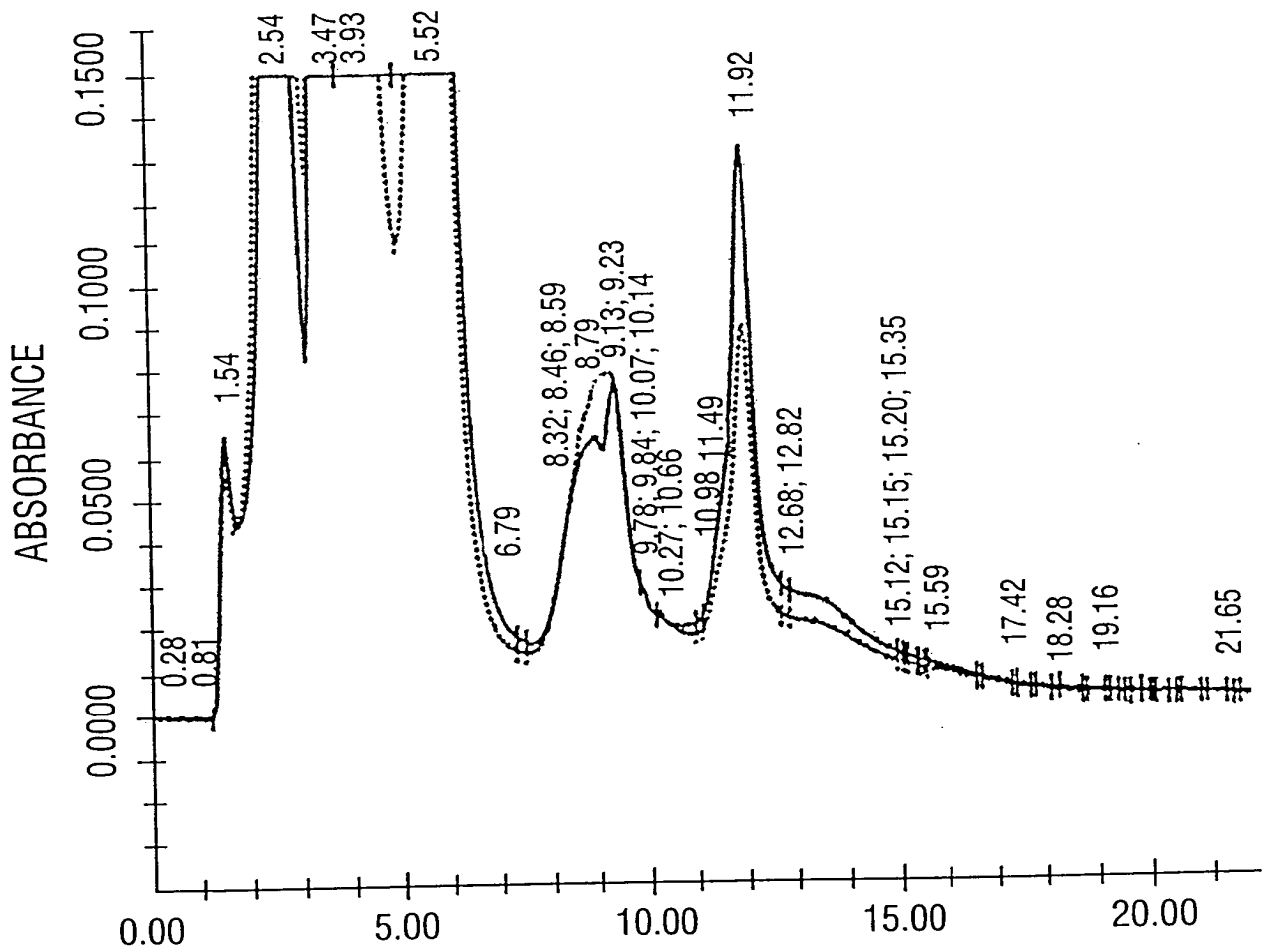


FIG. 3B

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

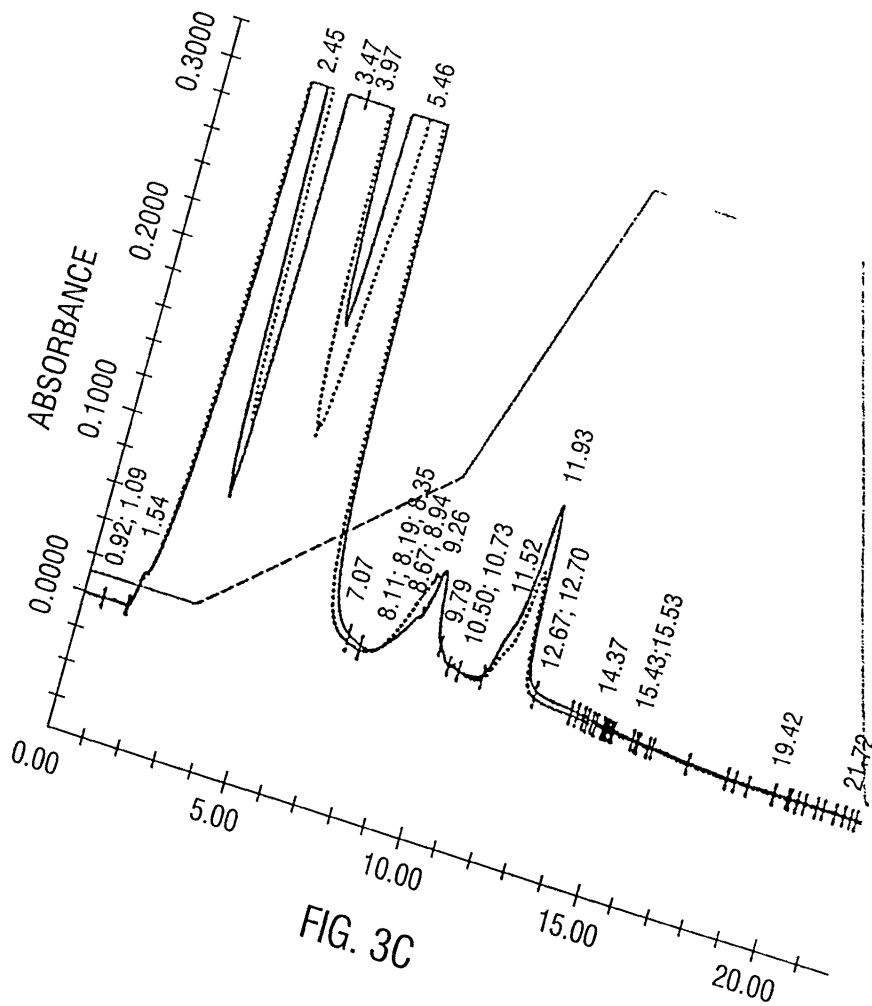


FIG. 3C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

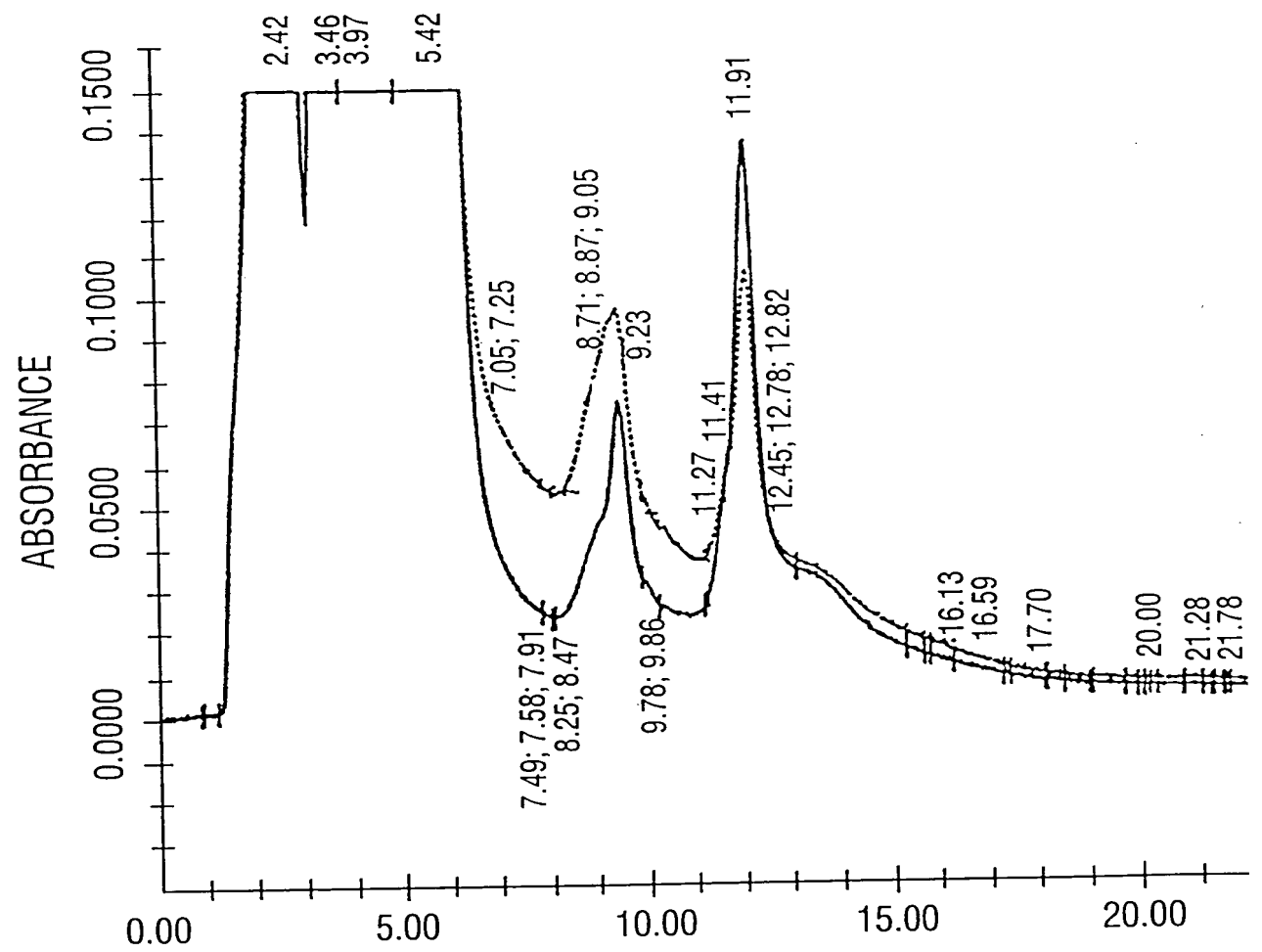


FIG. 3D

APPROVED	C.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

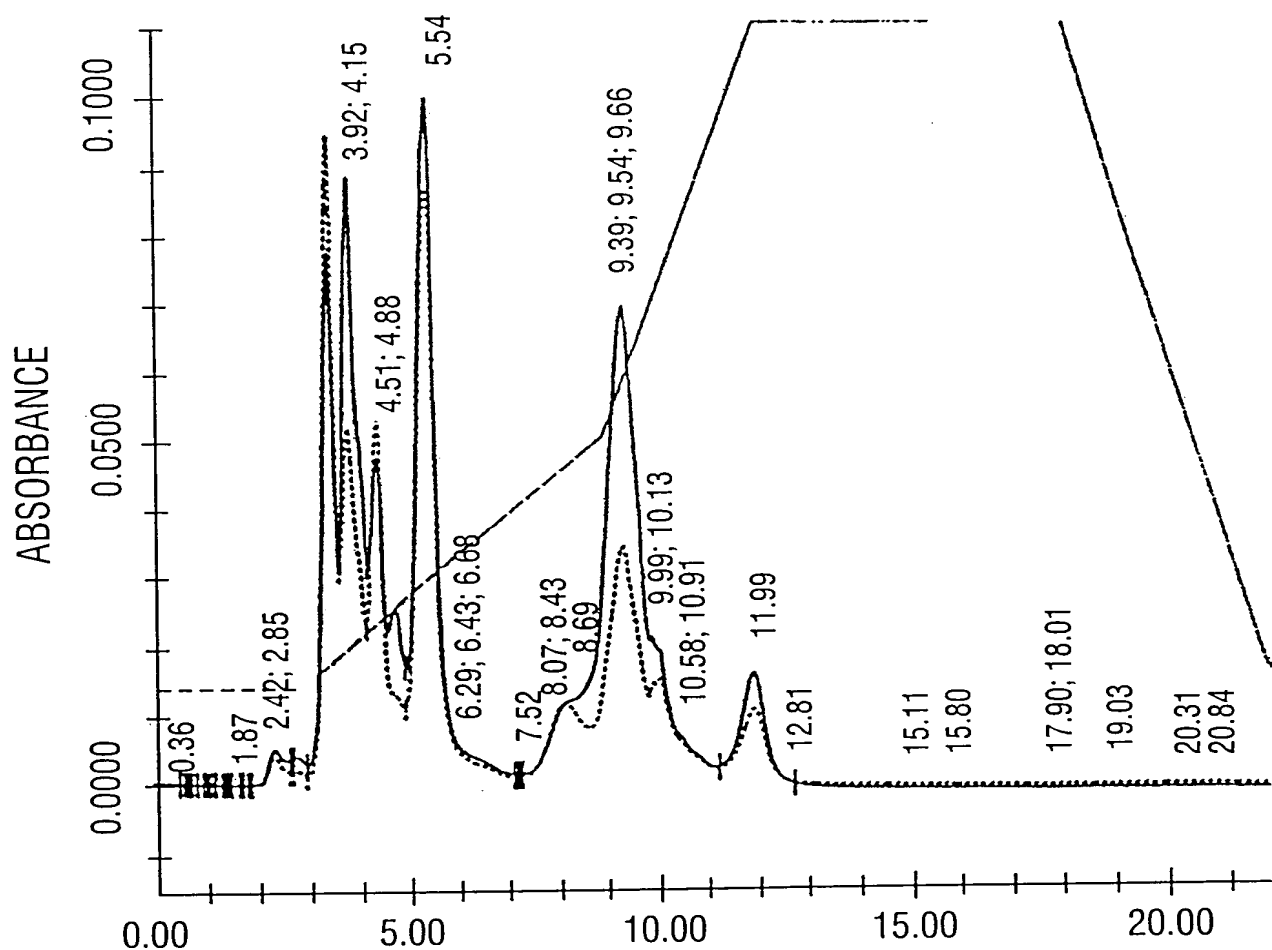


FIG. 3E

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

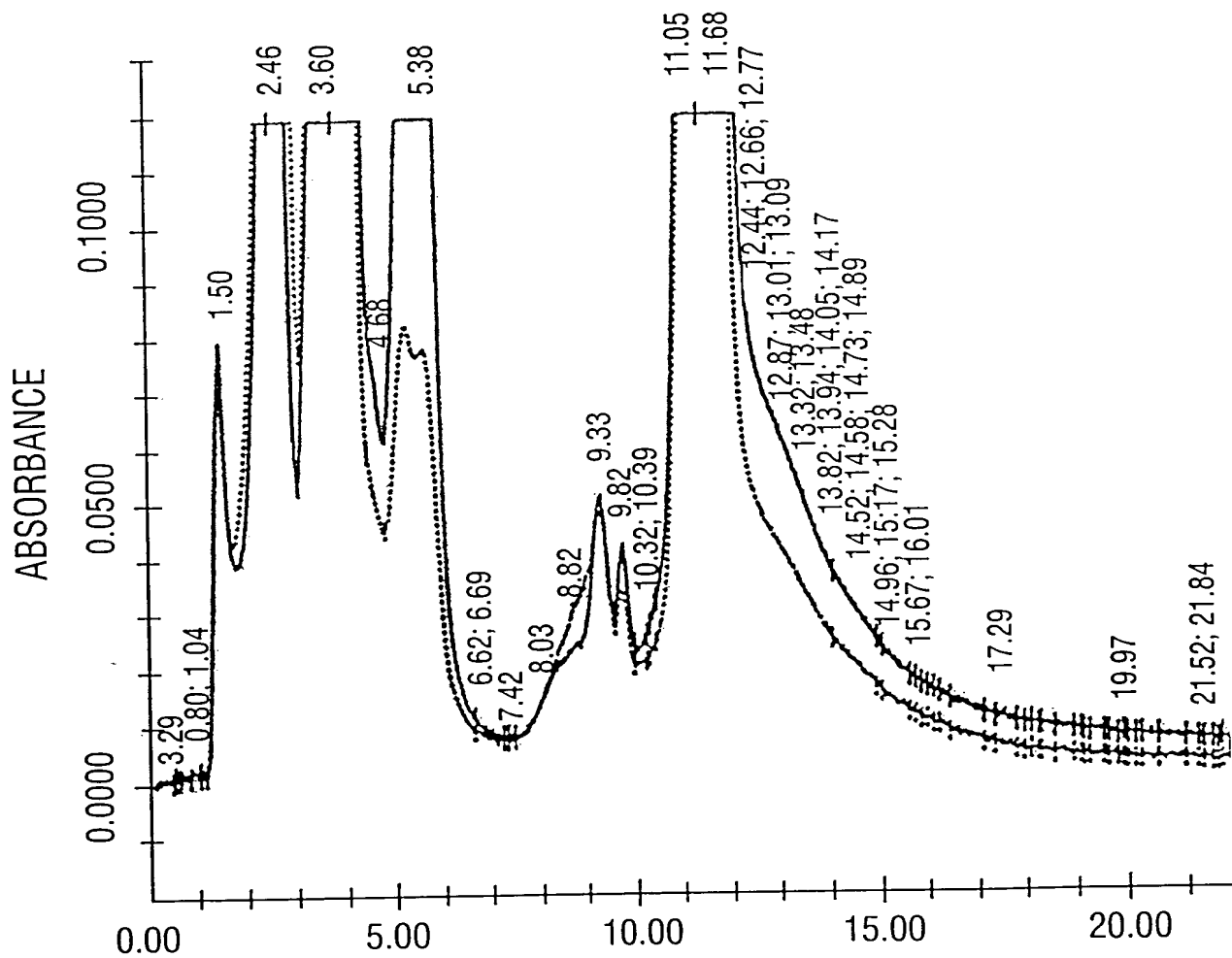


FIG. 4A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

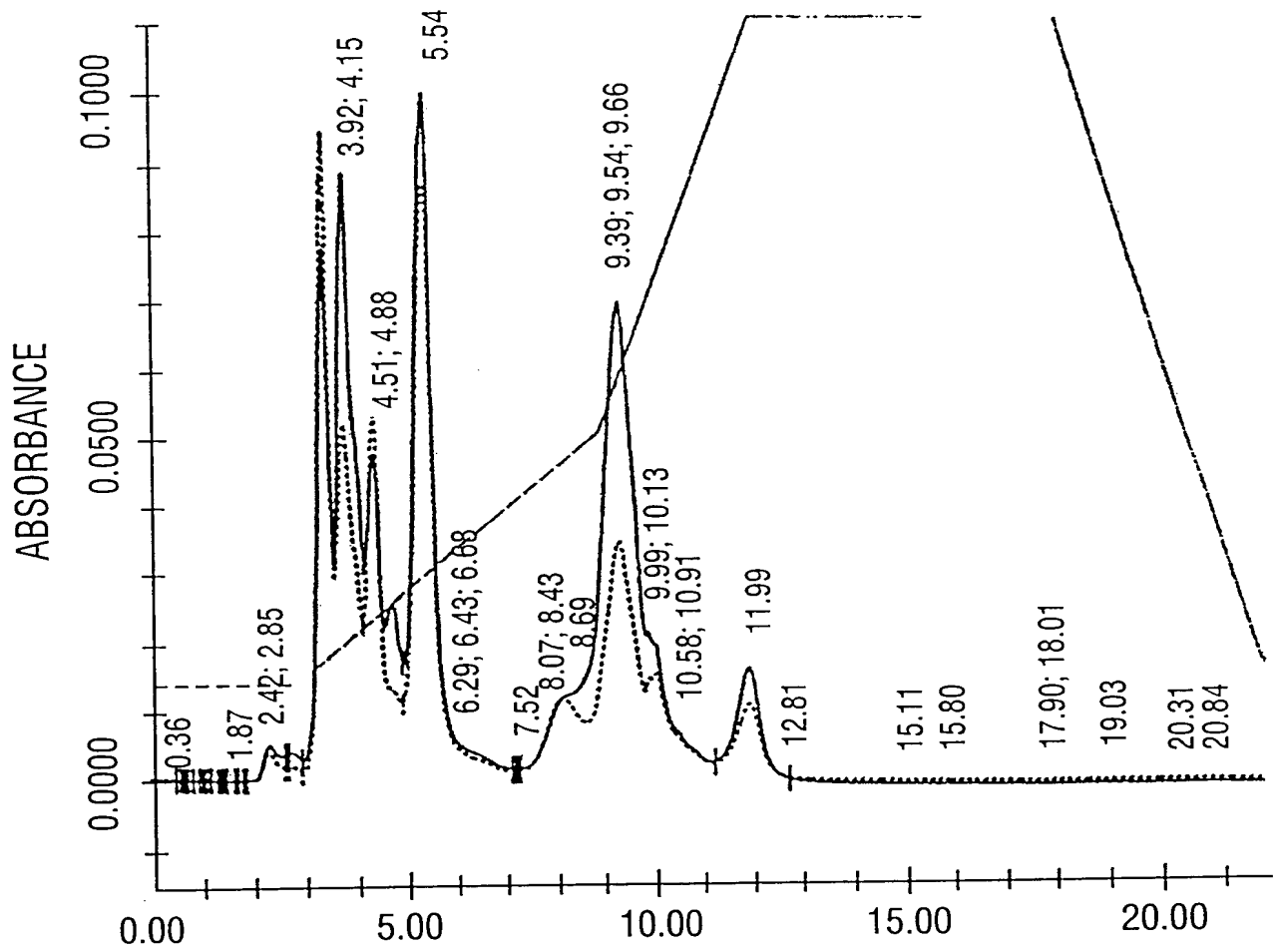


FIG. 4B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

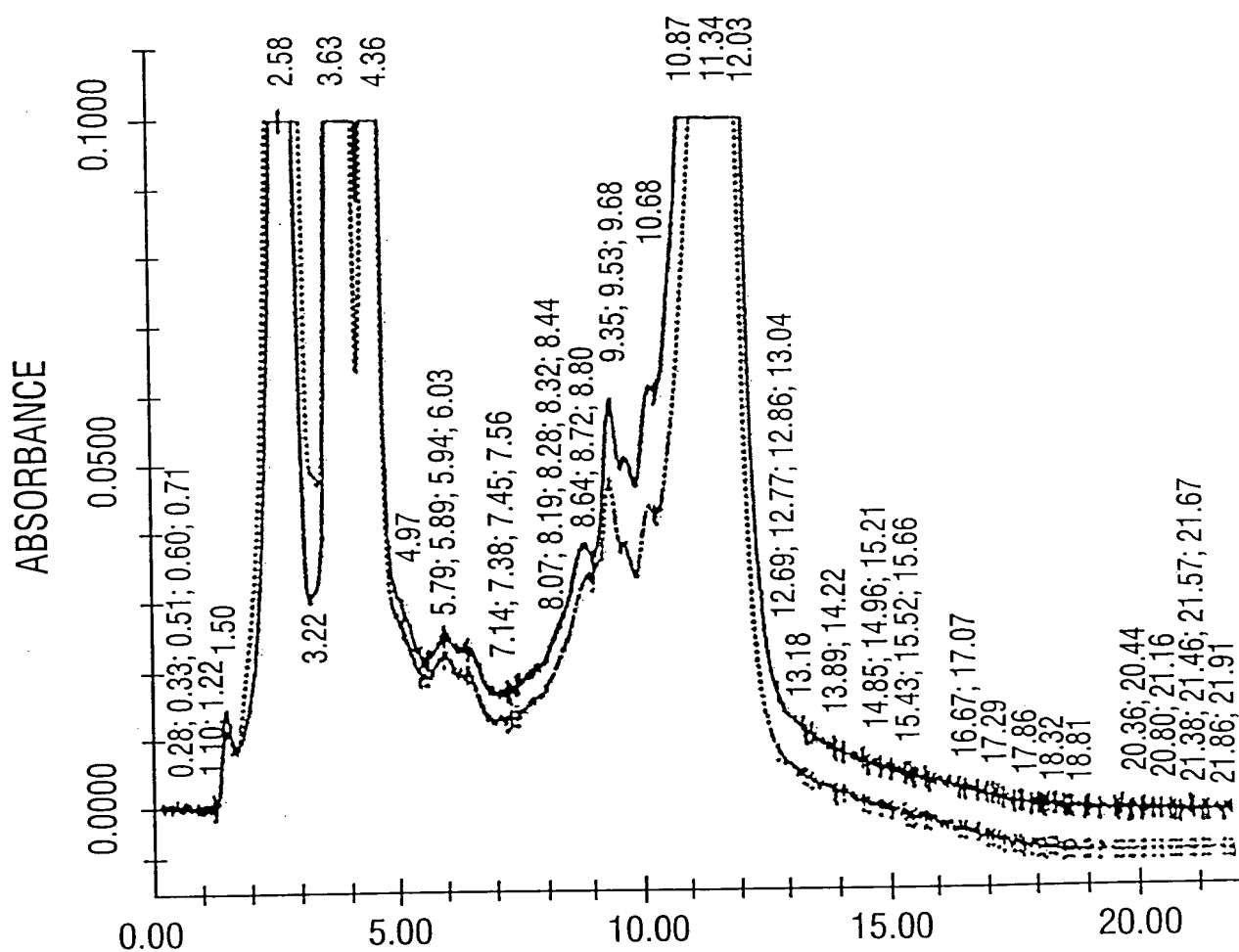


FIG. 5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

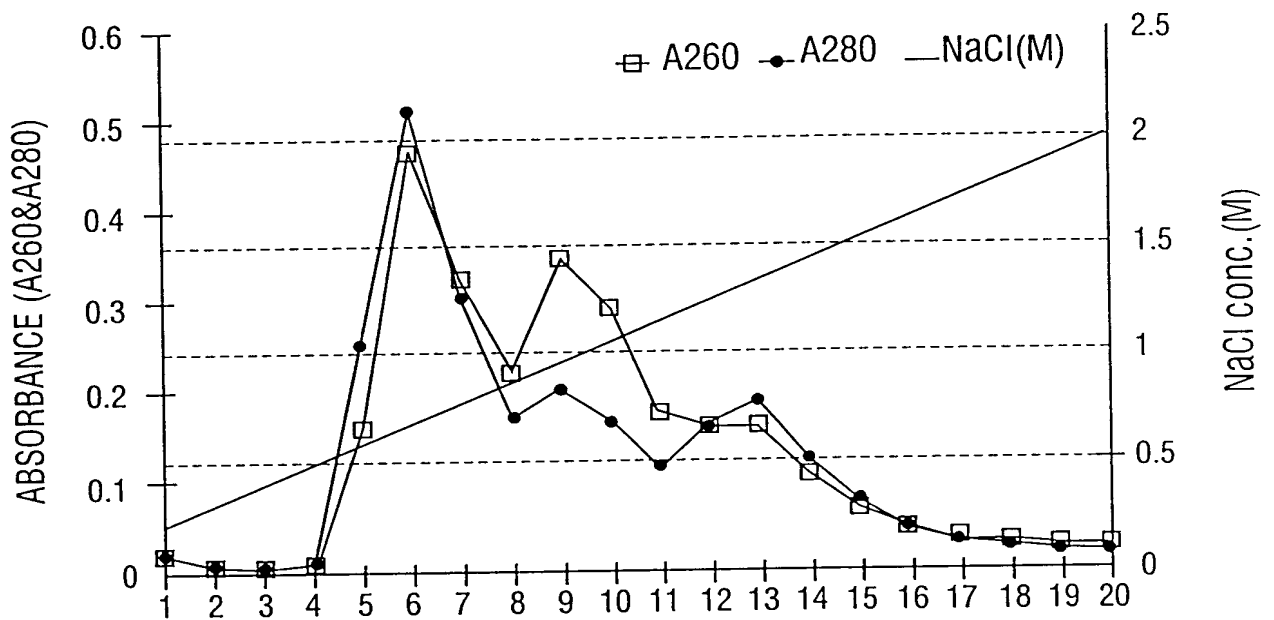


FIG. 6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

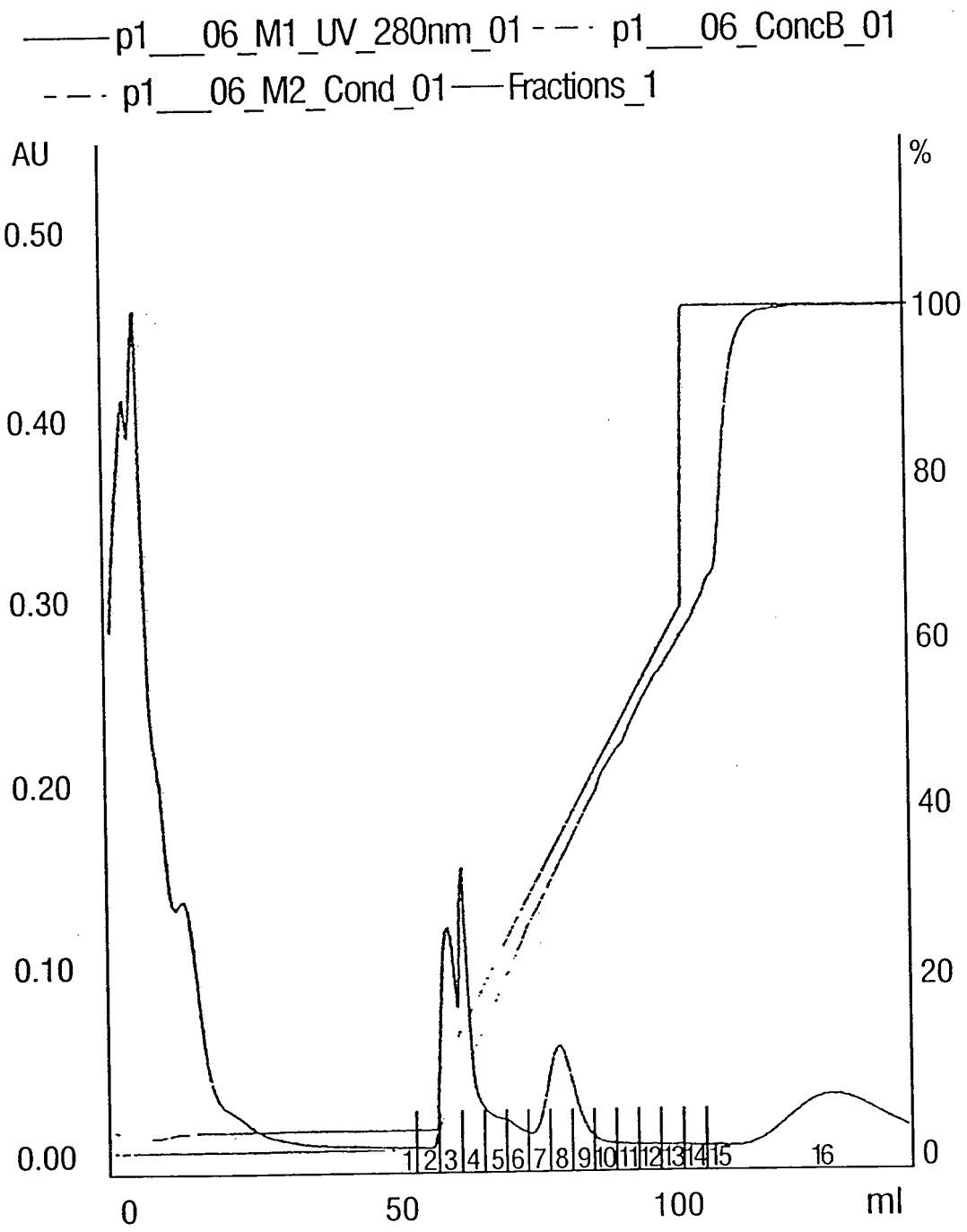


FIG. 7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

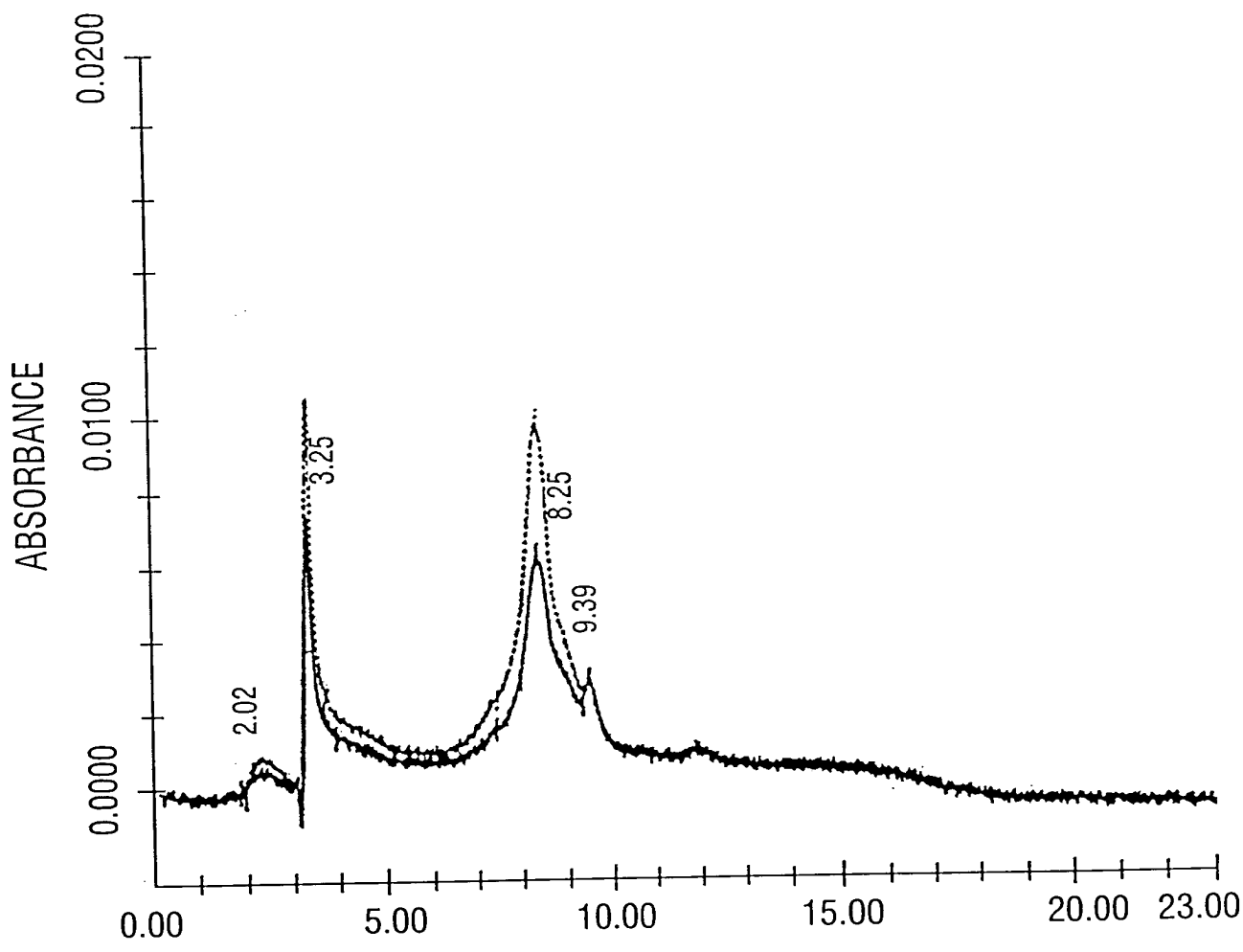


FIG. 8A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

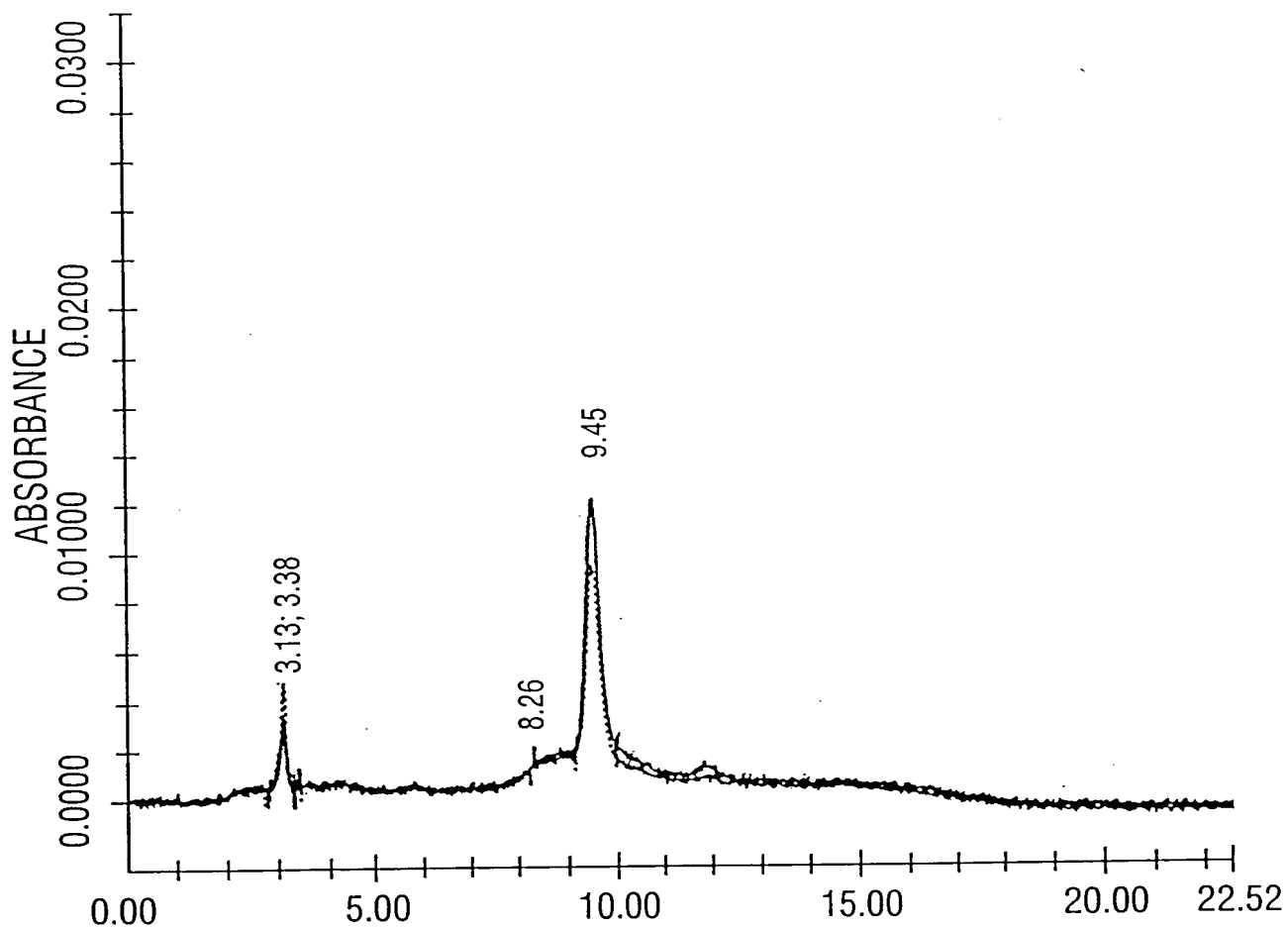


FIG. 8B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

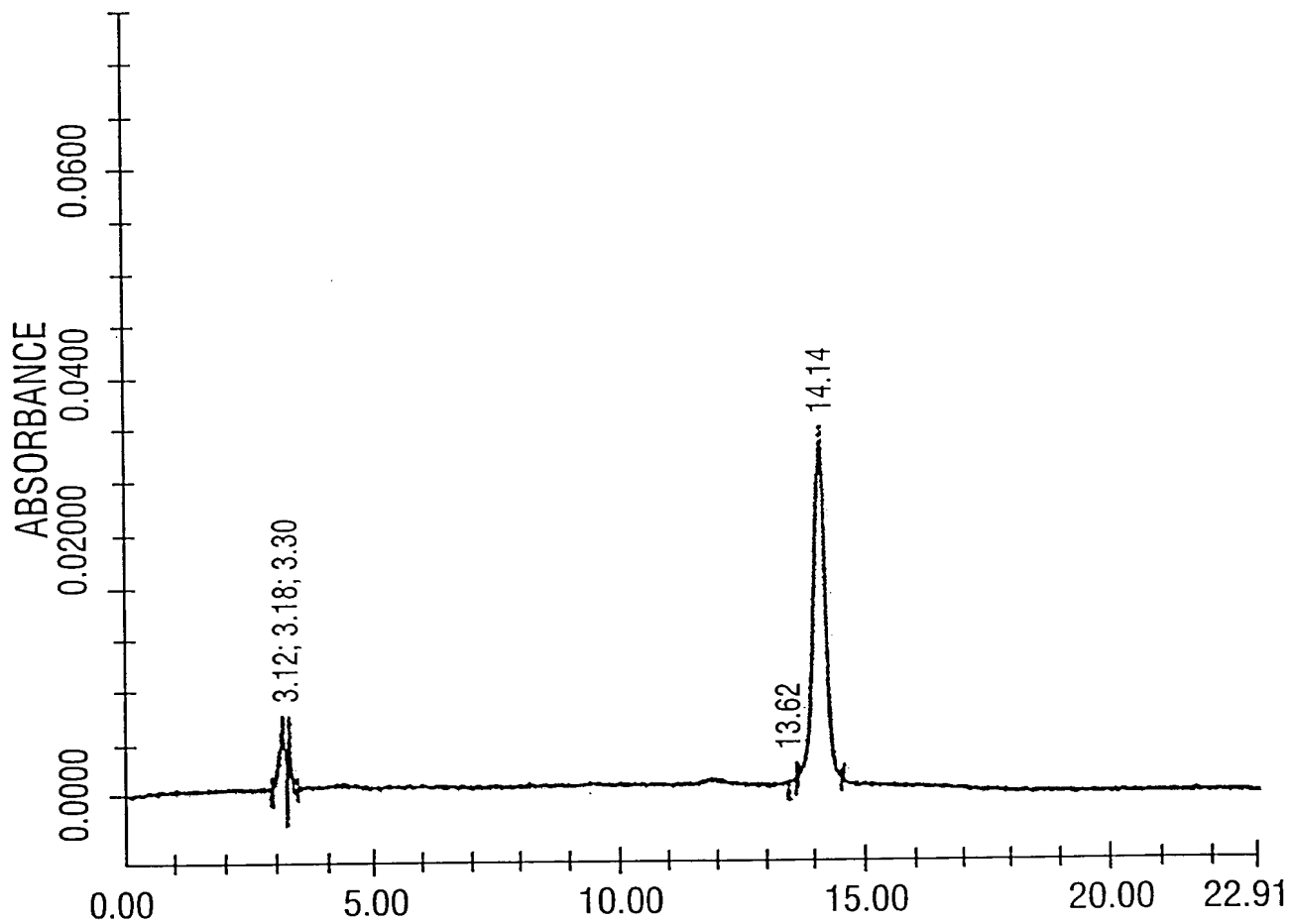


FIG. 8C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

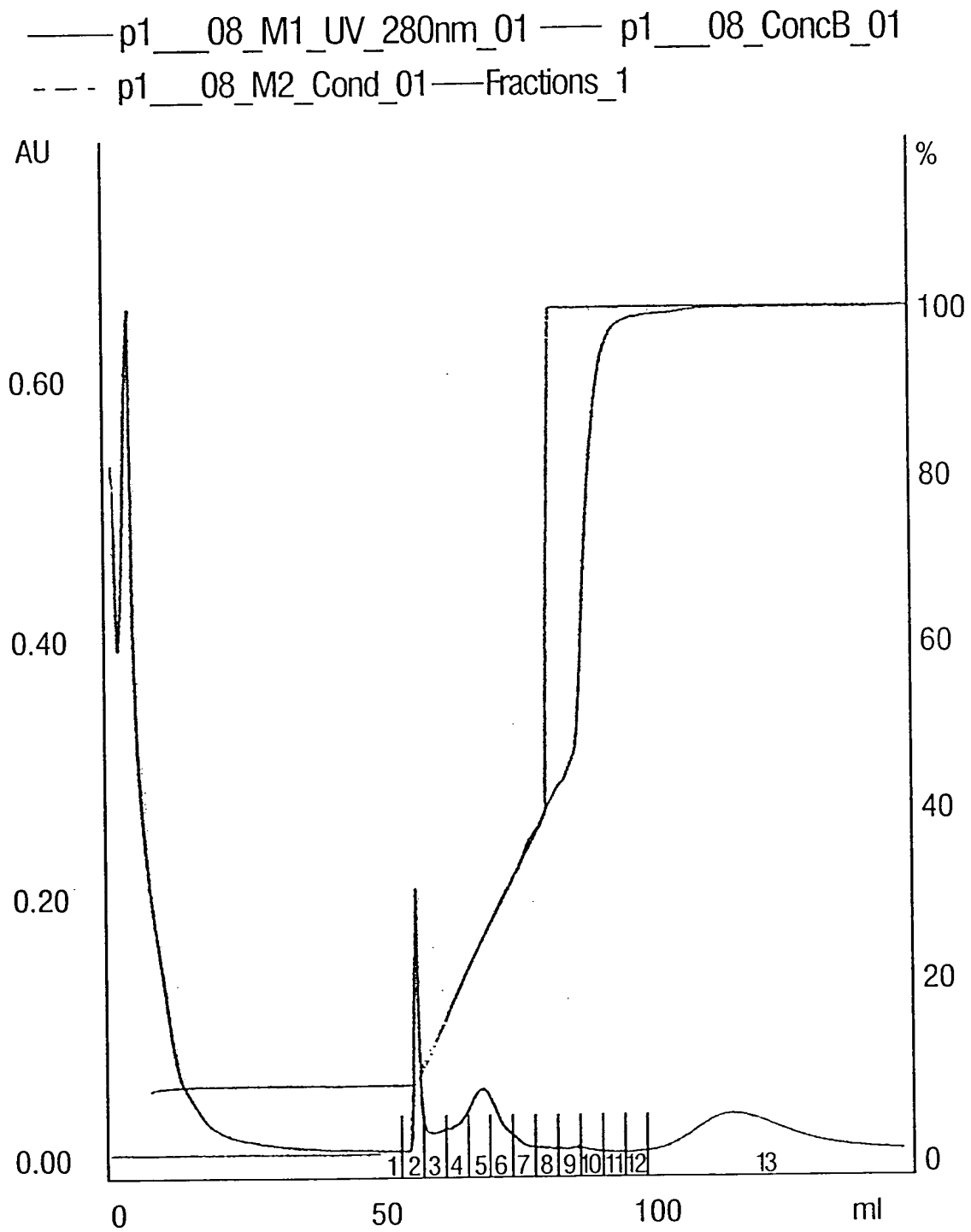


FIG. 9

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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

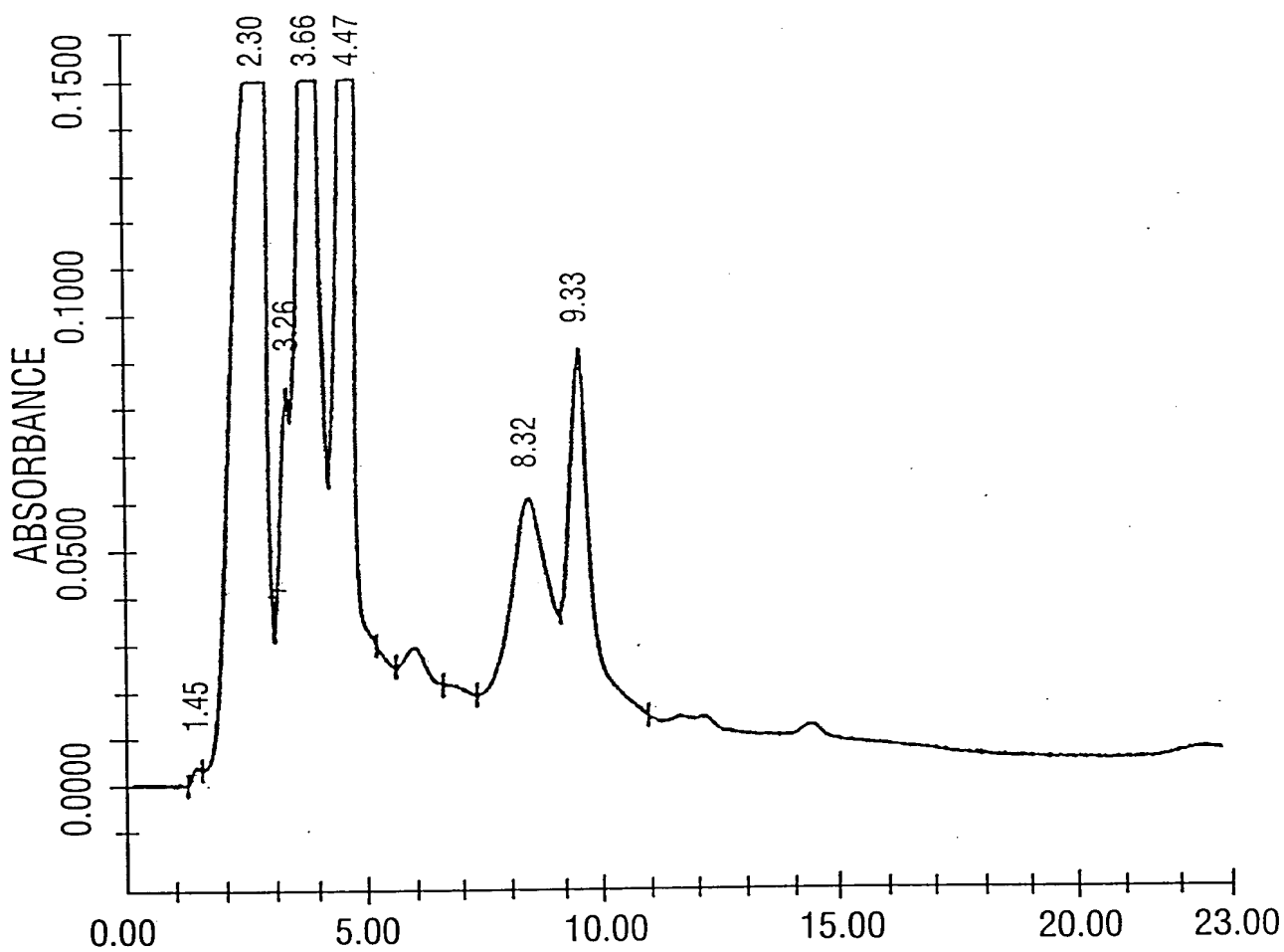


FIG. 10A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

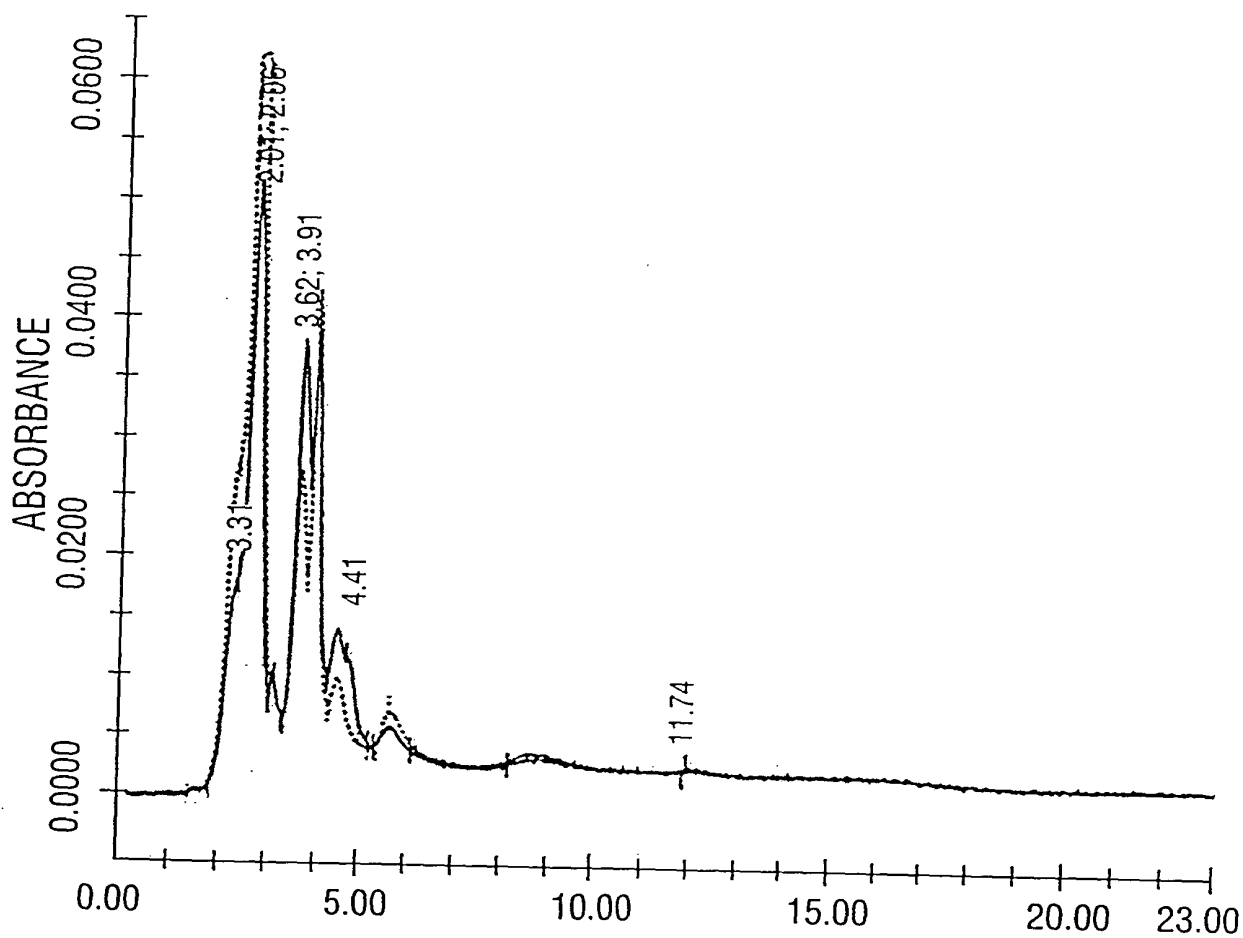


FIG. 10B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

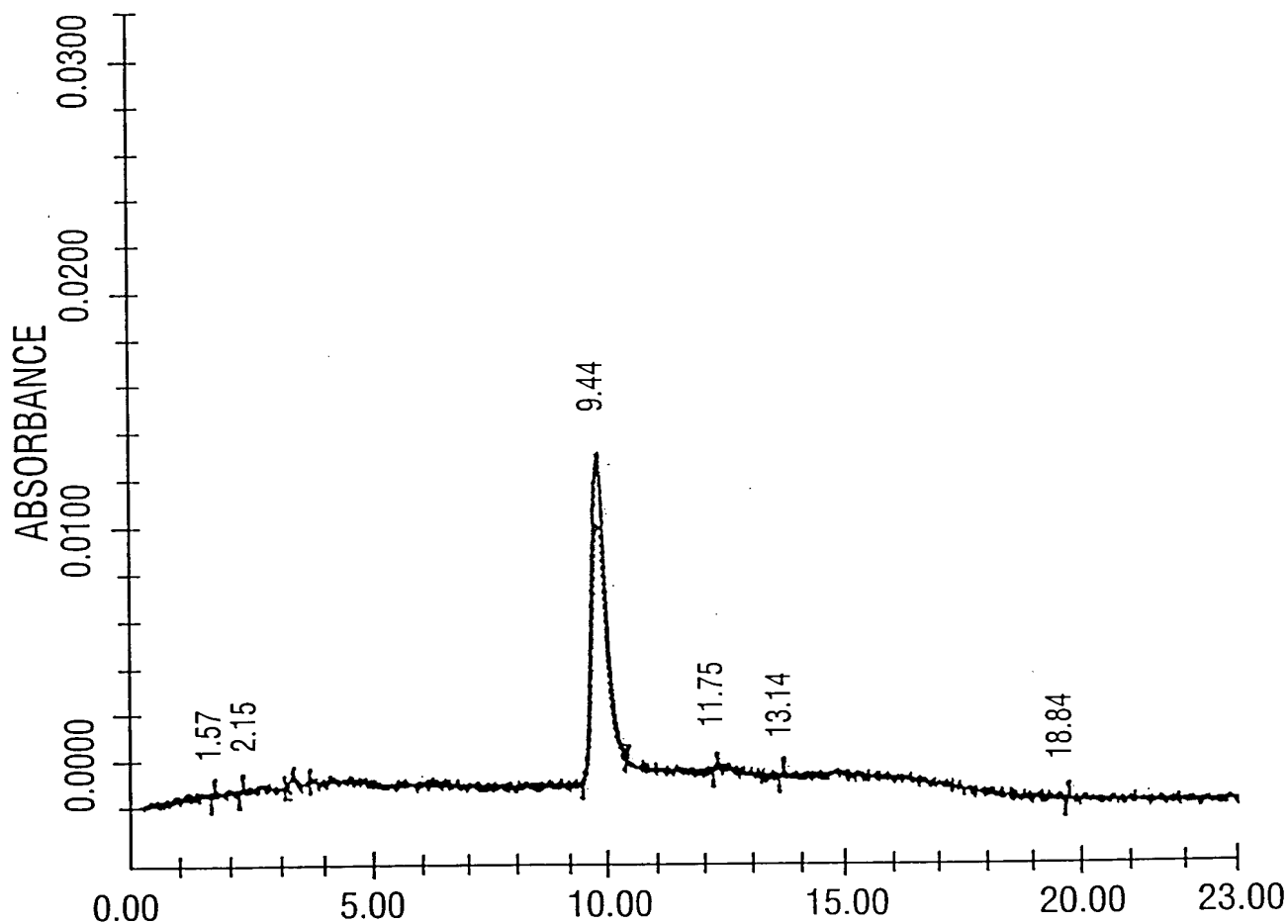


FIG. 10C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

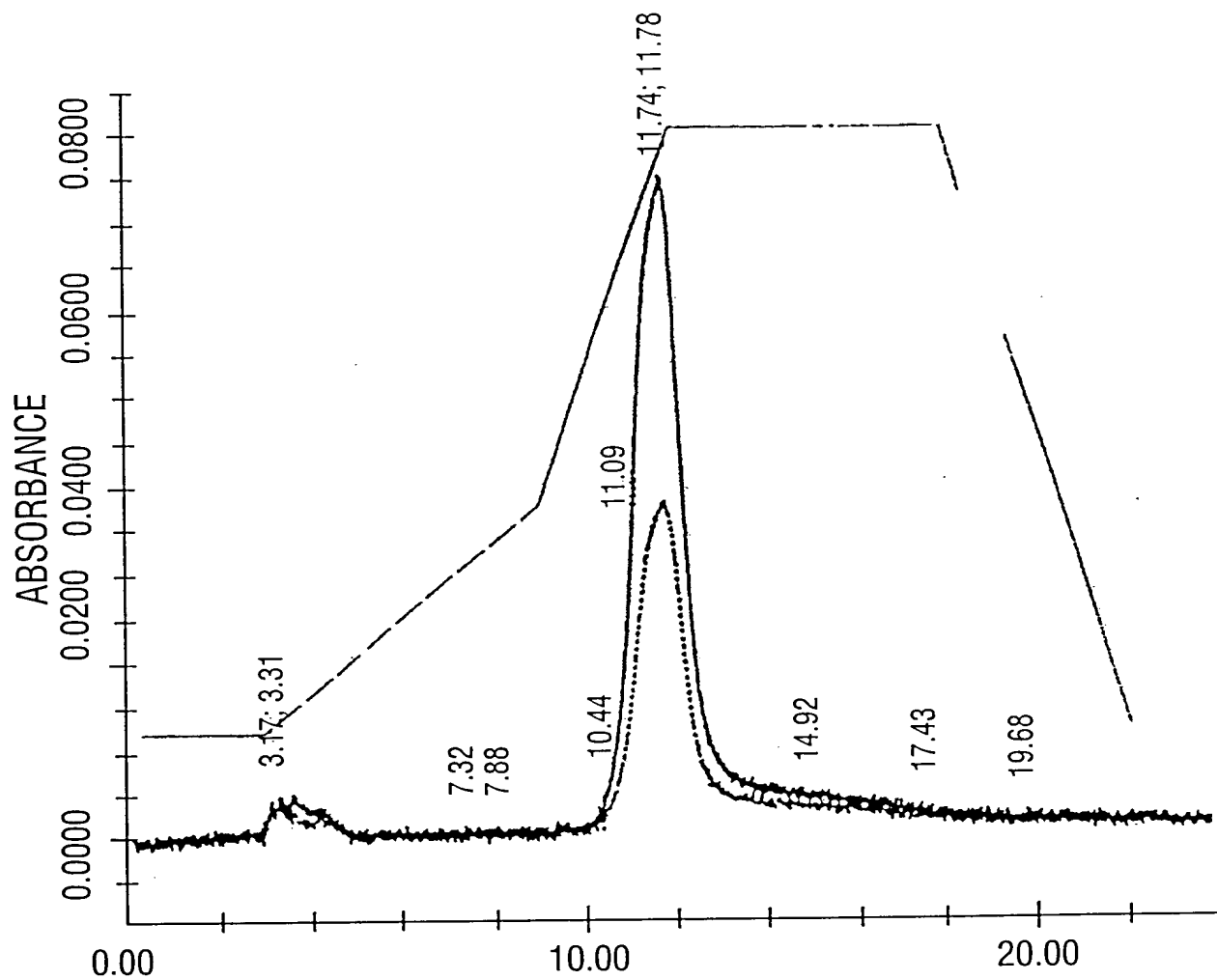


FIG. 10D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

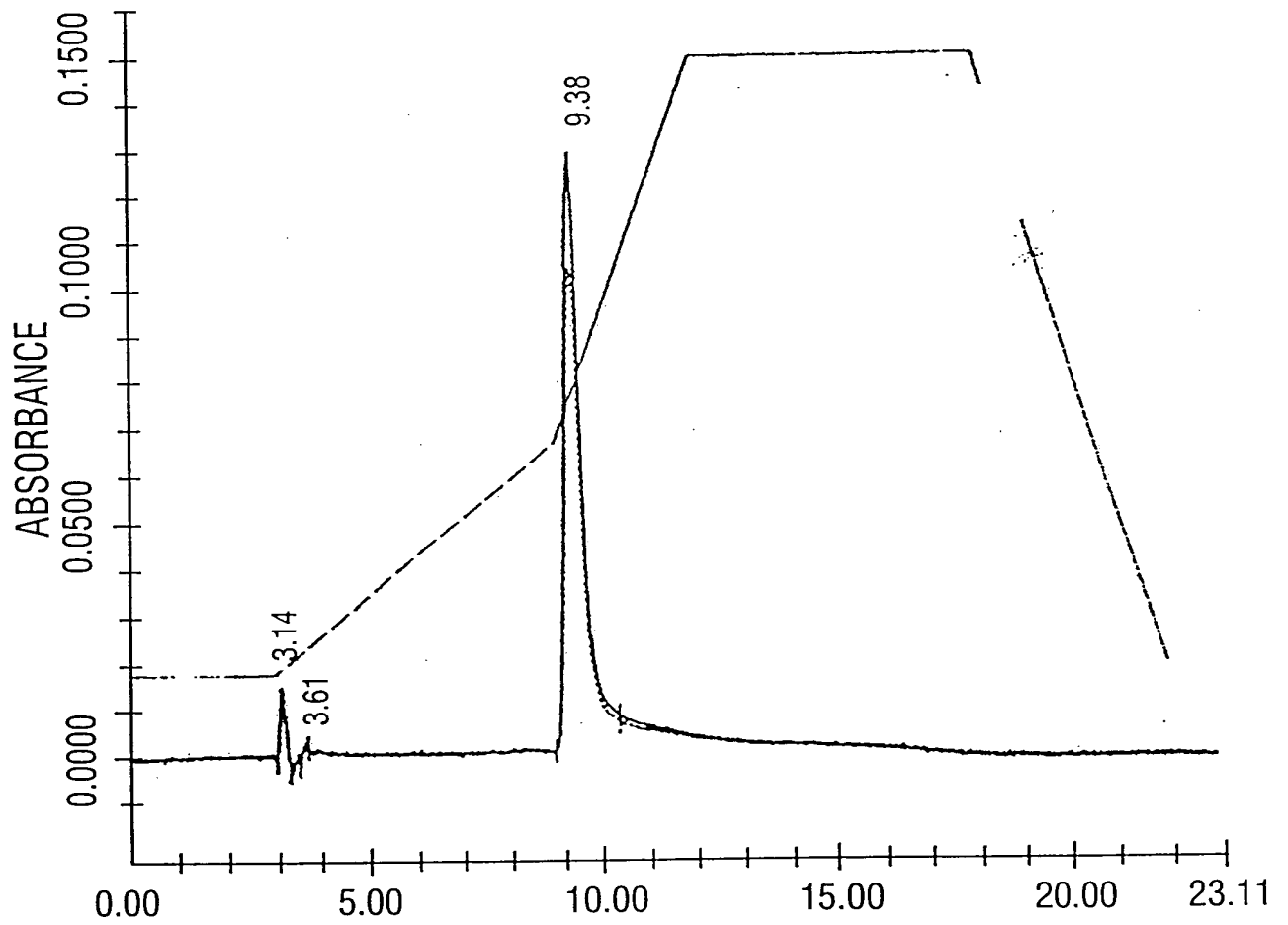


FIG. 10E

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

— mth103 : 1_UV1 — mth103 : 1_ph1 — mth103 : 1_Cond1
 — mth103 : 1_Fractions —

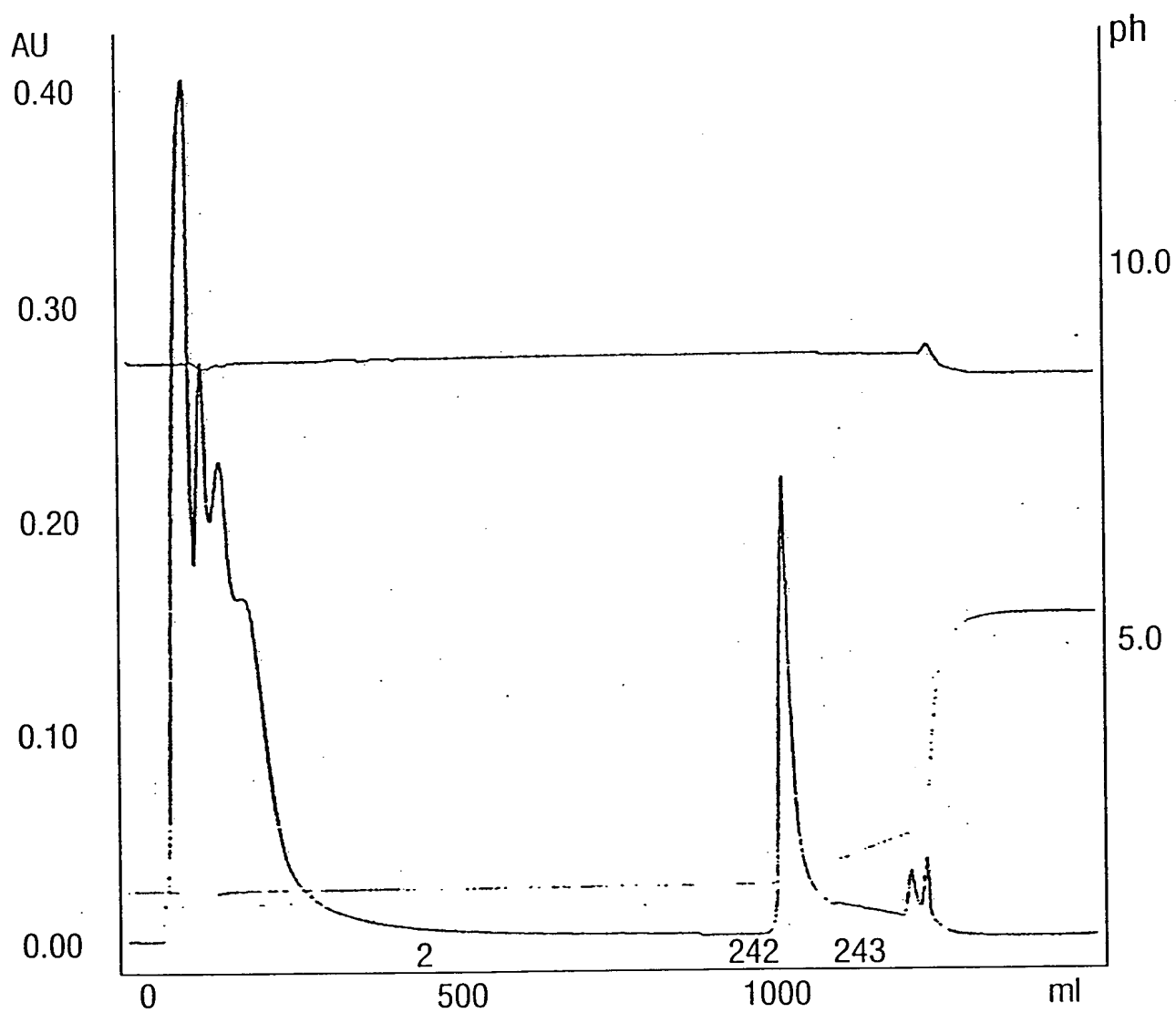


FIG. 11

3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

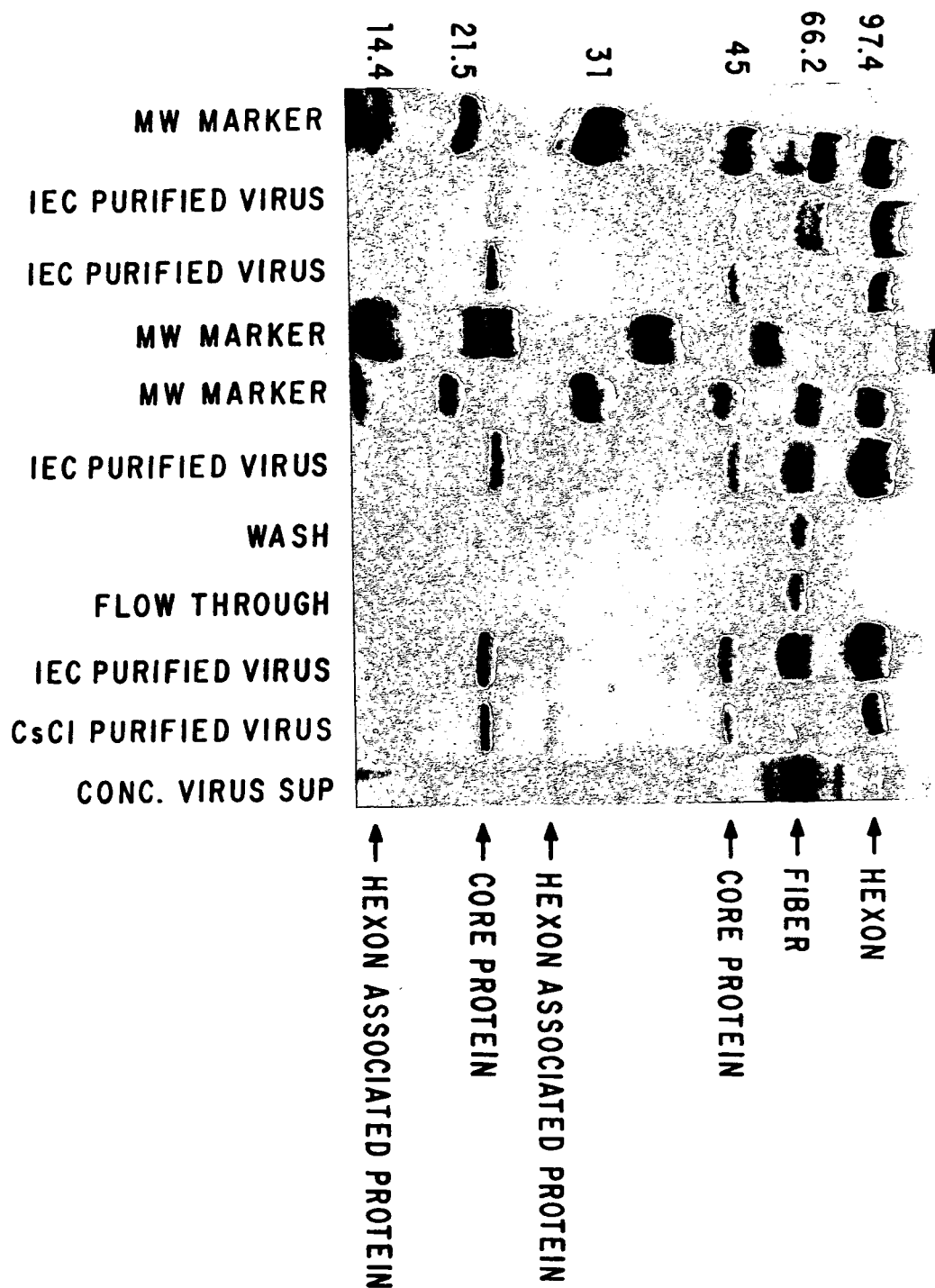


FIG.12

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

↓ 66.2 kd

NOVEX MWM

BSA STD

VECTOR SUP

CONC./DIAFIL.SUP

IEC PURIFIED Adp53

CsCl PURIFIED Adp53

BSA STD

FLOW THRU

WASH

NOVEX MWM

FIG.13

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

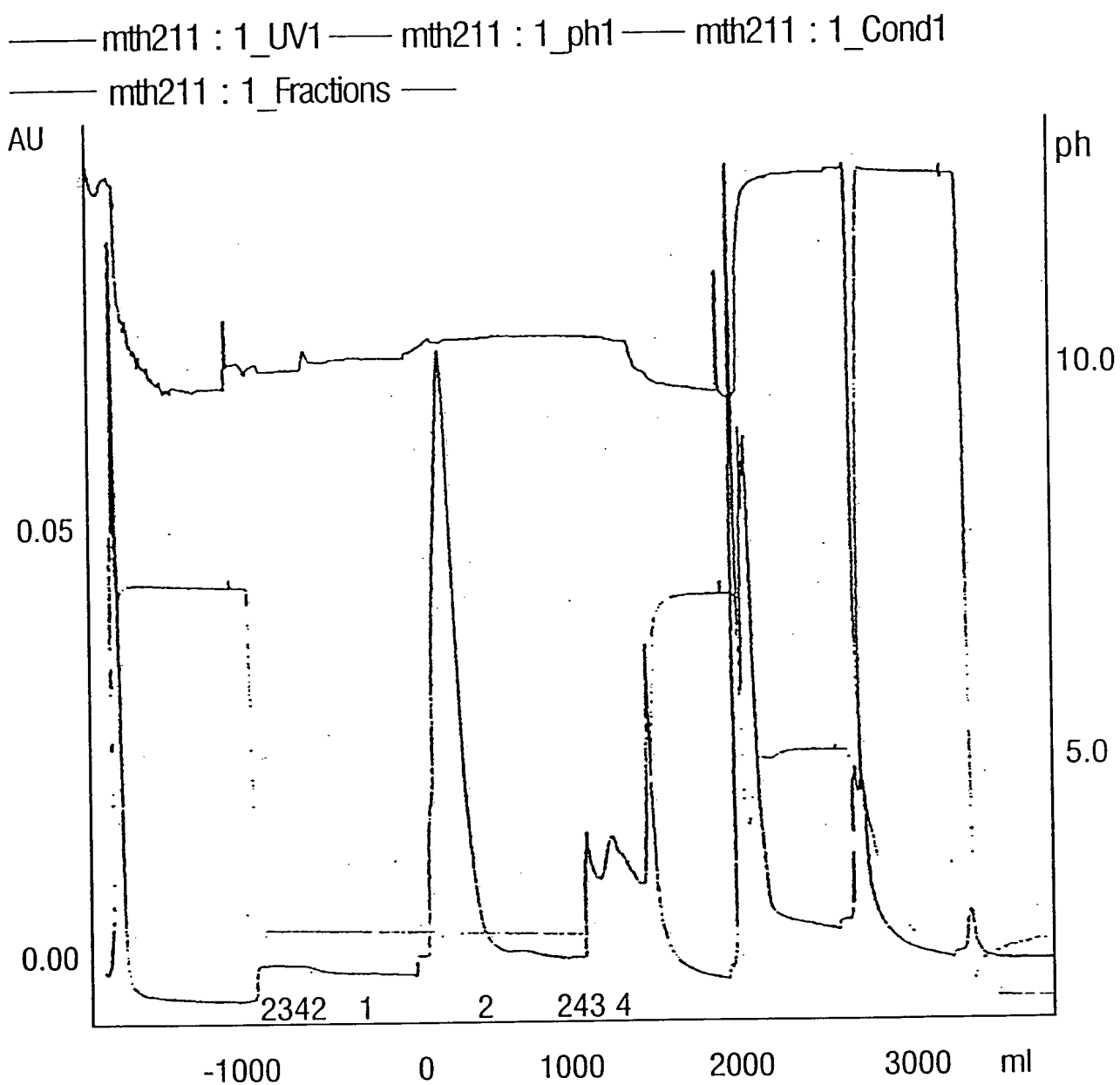


FIG. 14

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

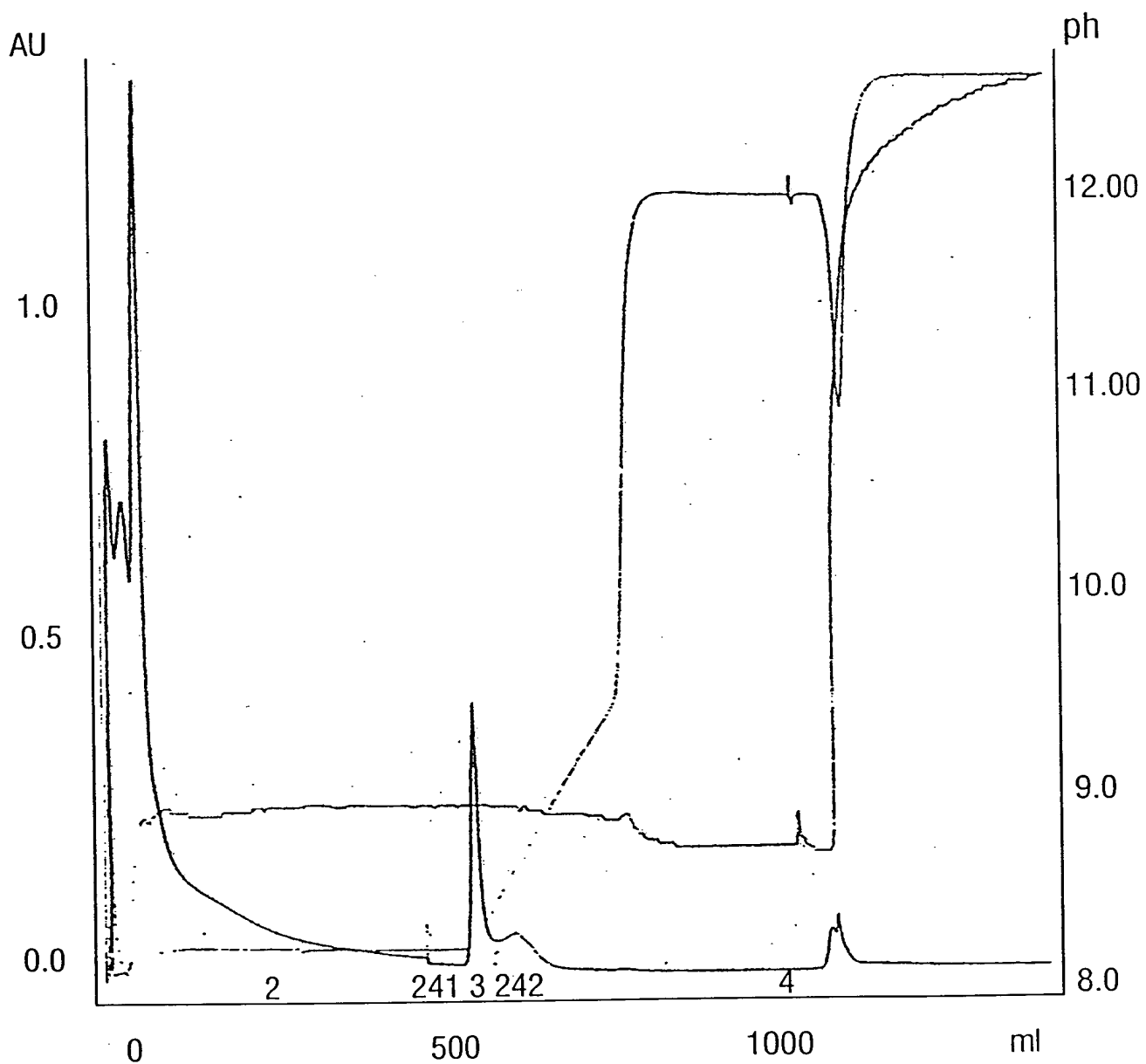


FIG. 15

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APPROVED	O.G: FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

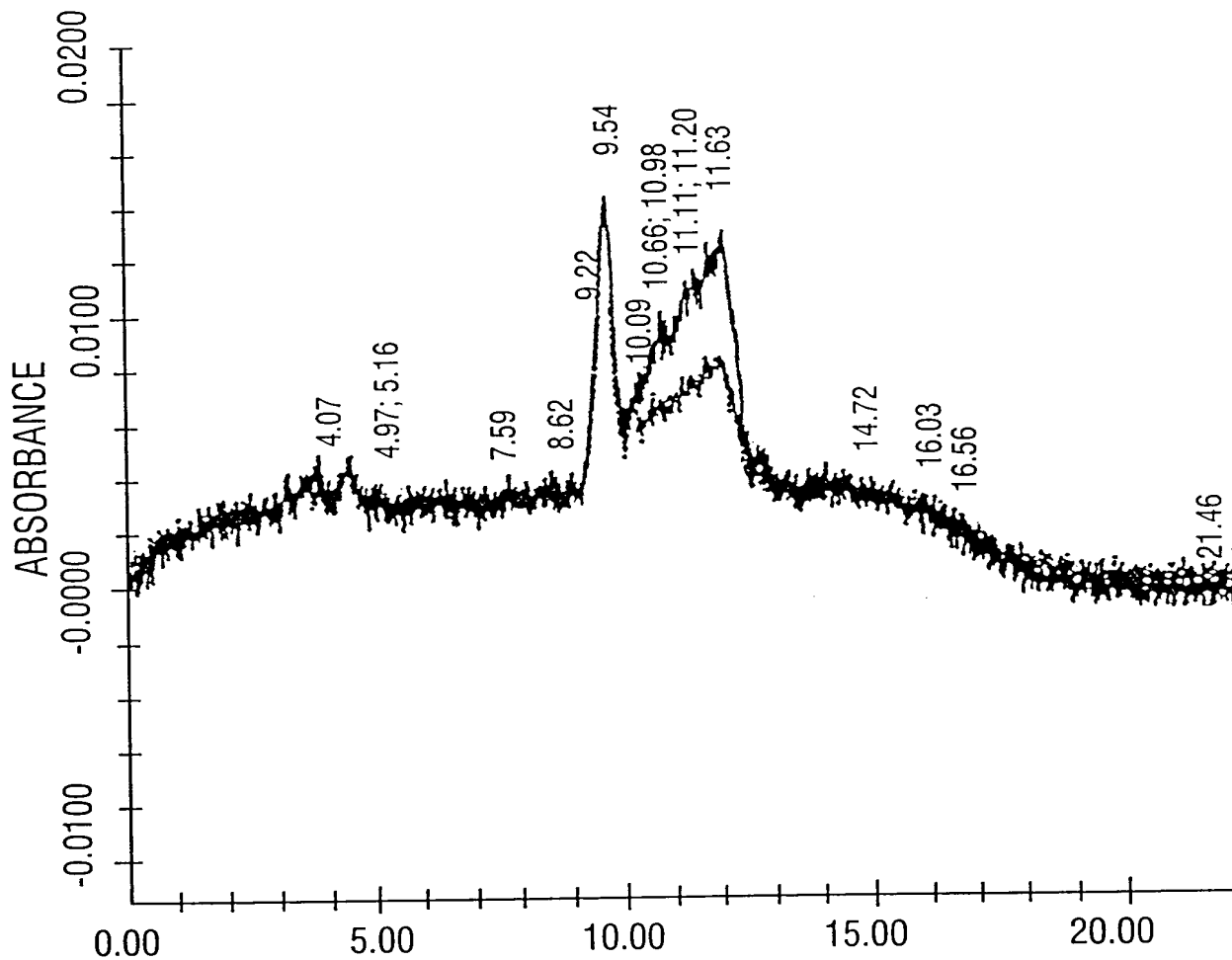


FIG. 16A

Handwritten signature

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

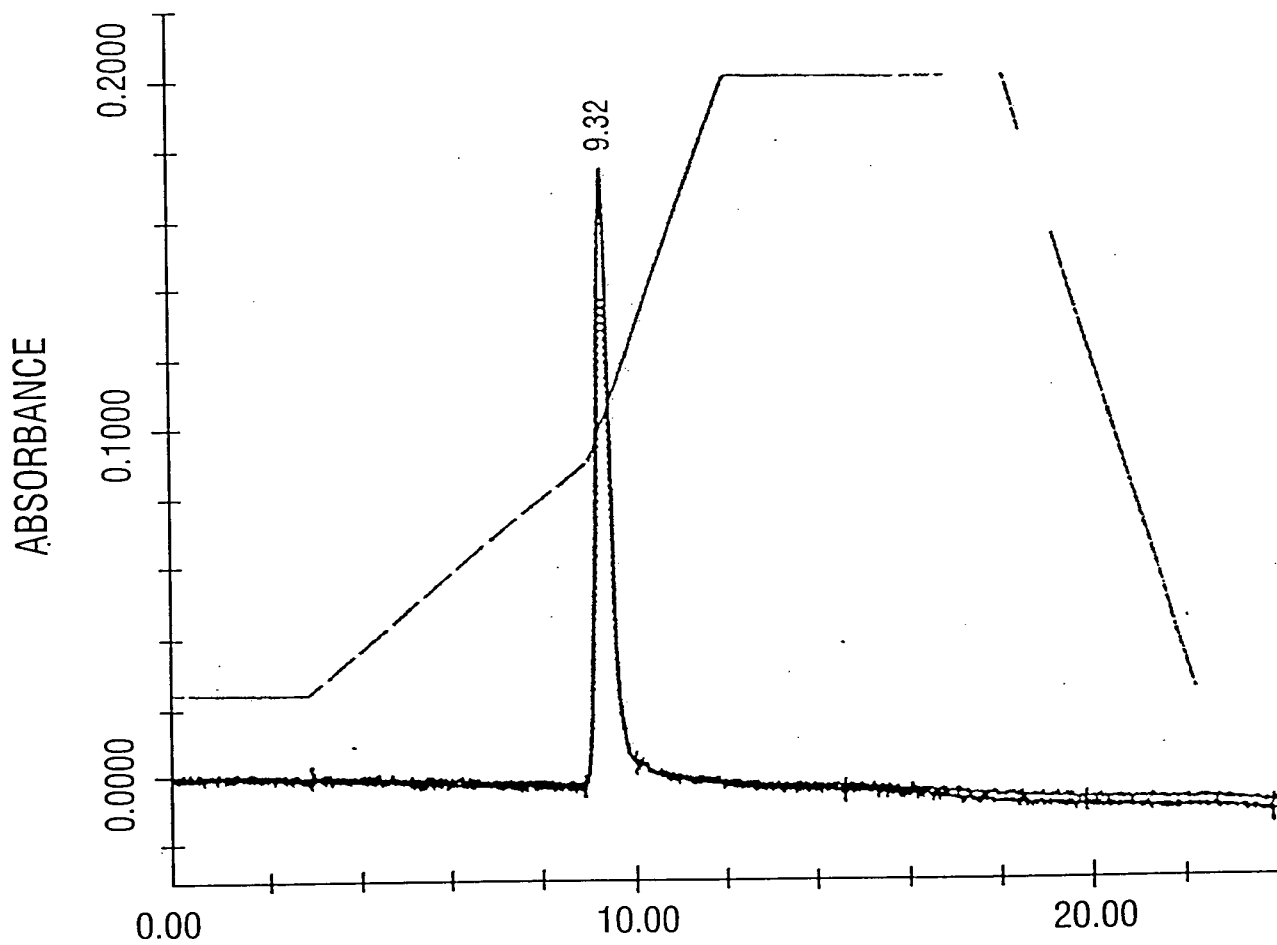


FIG. 16B

[Handwritten signature]

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
RAFTSMAN		

—— mth412 : 1_UV1 —— mth412 : 1_ph1 —— mth412 : 1_Cond1
—— mth412 : 1_Fractions ——

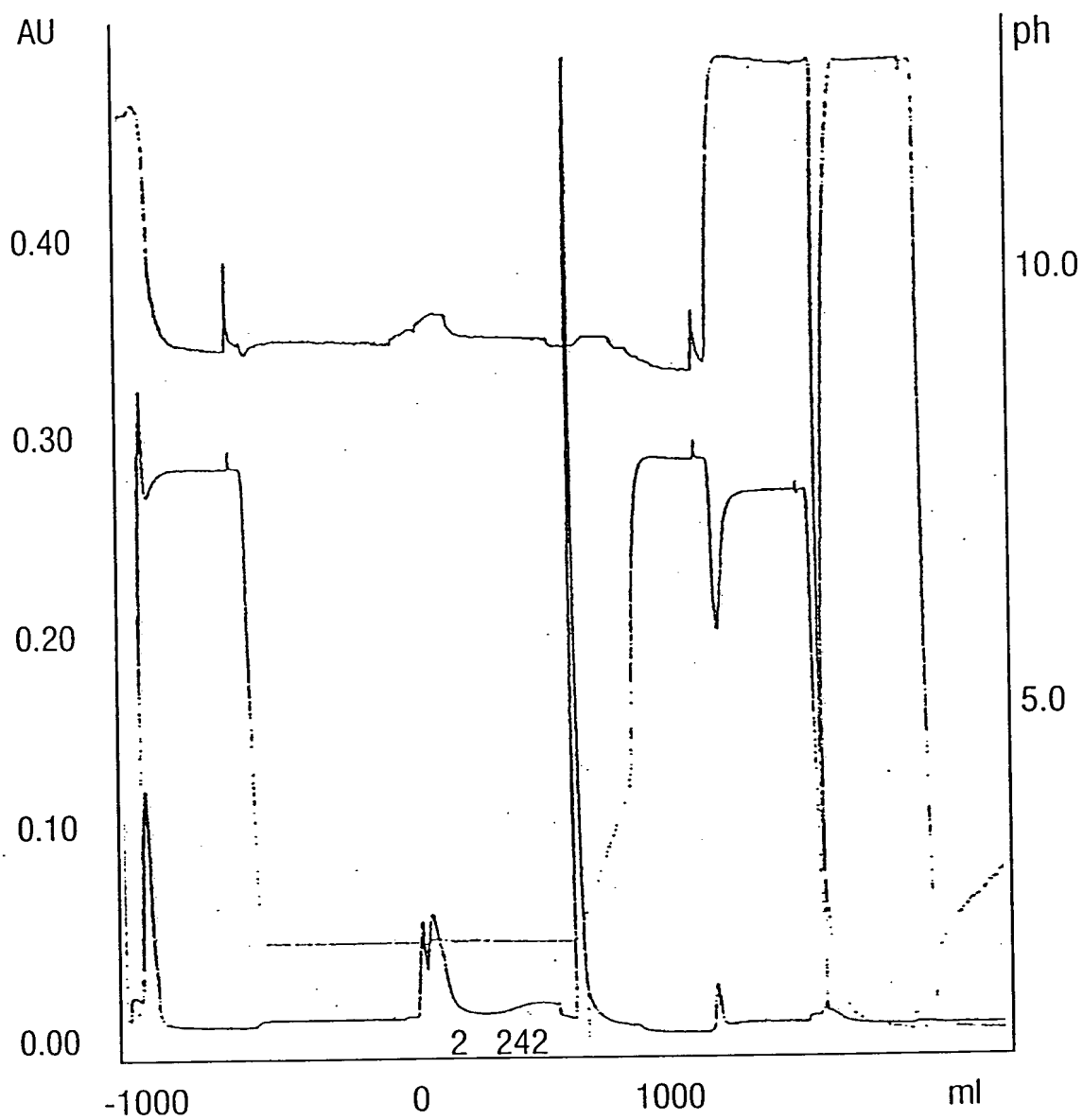


FIG. 17

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

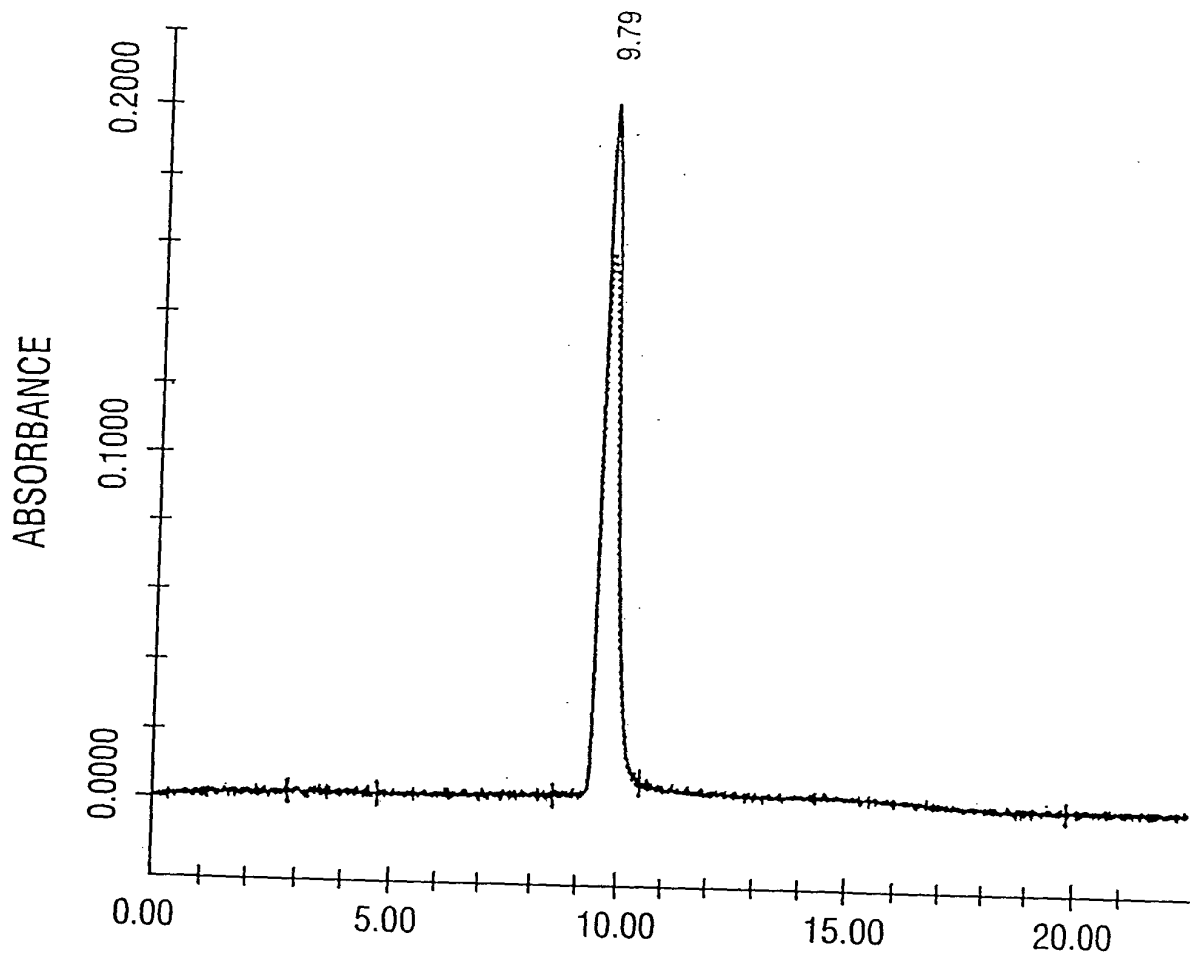


FIG. 18

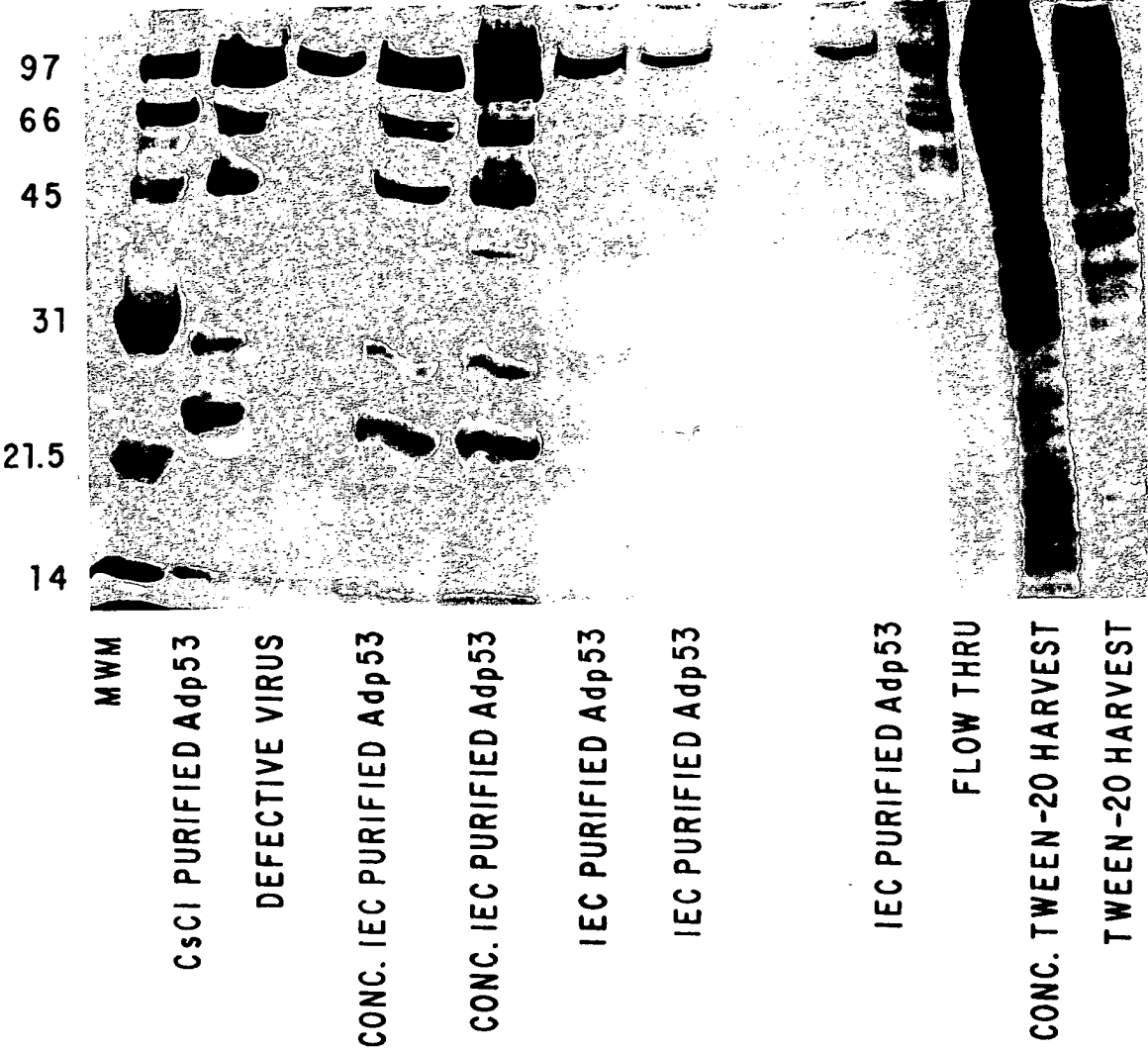


FIG.19A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

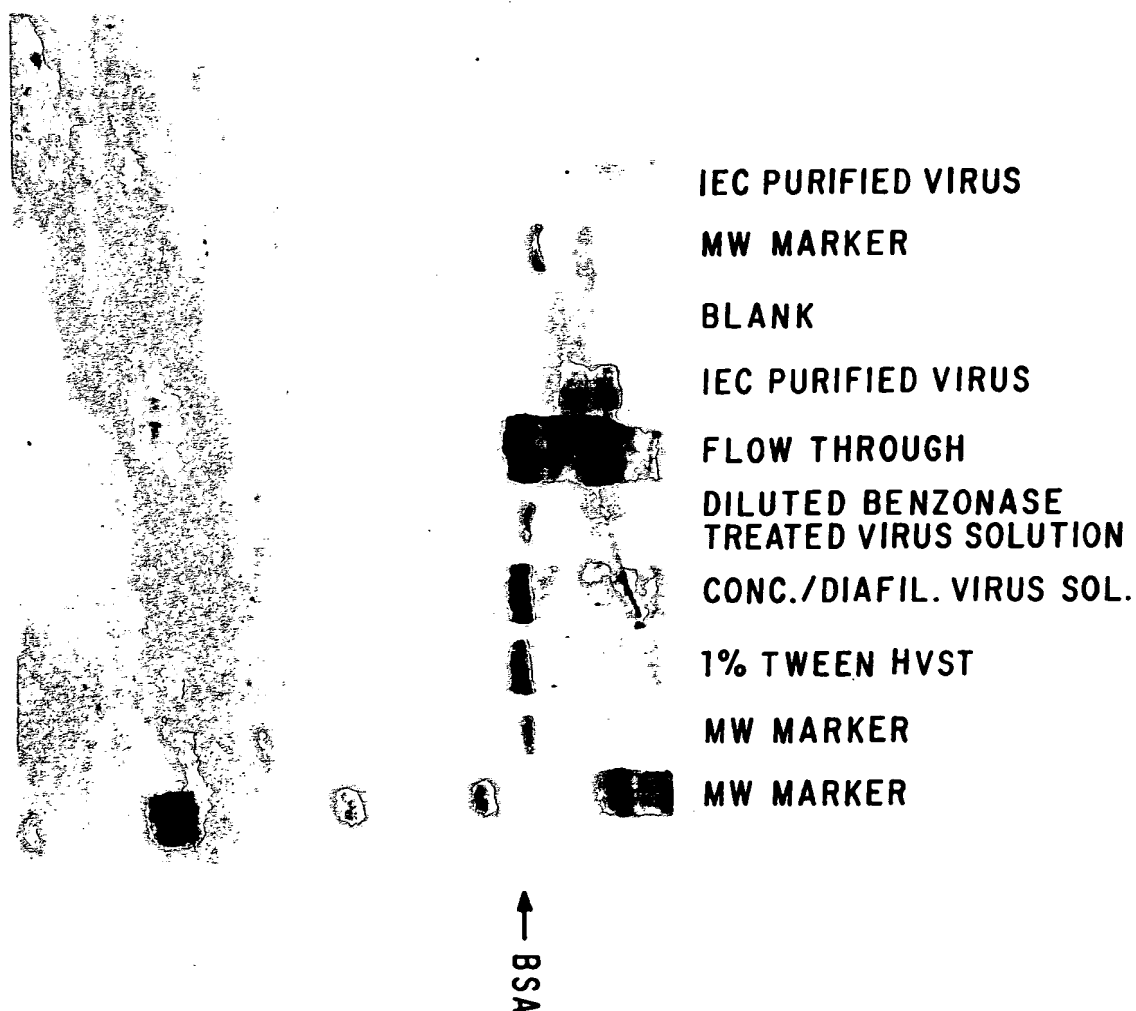


FIG.19B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

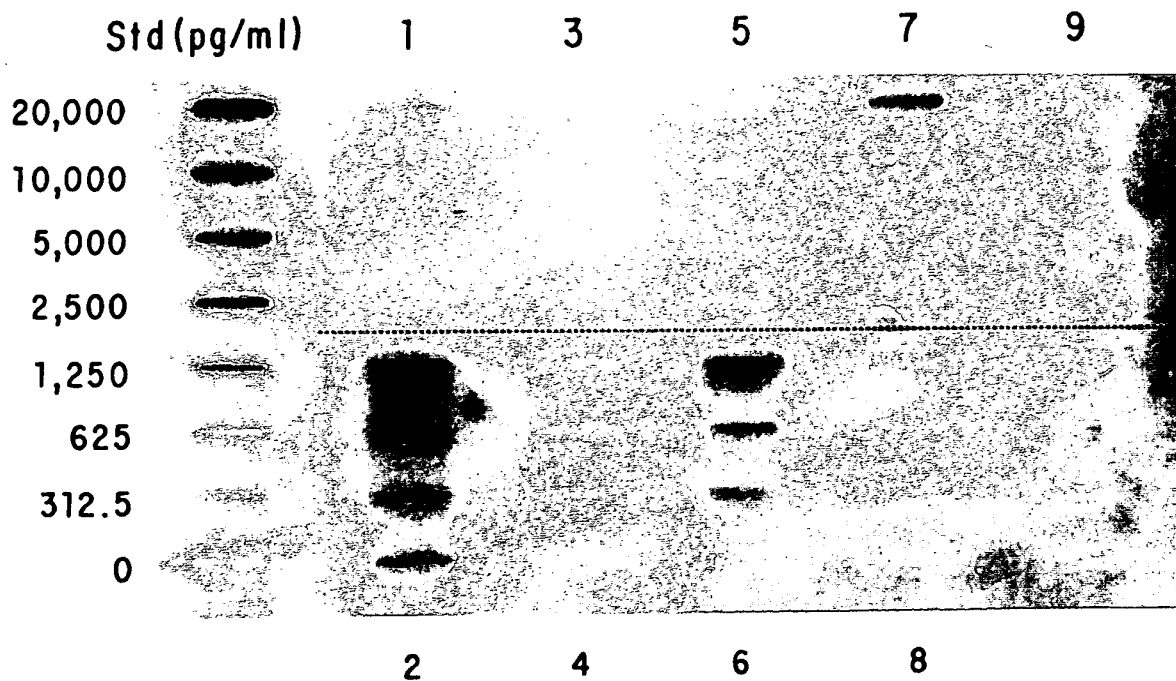


FIG.19C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

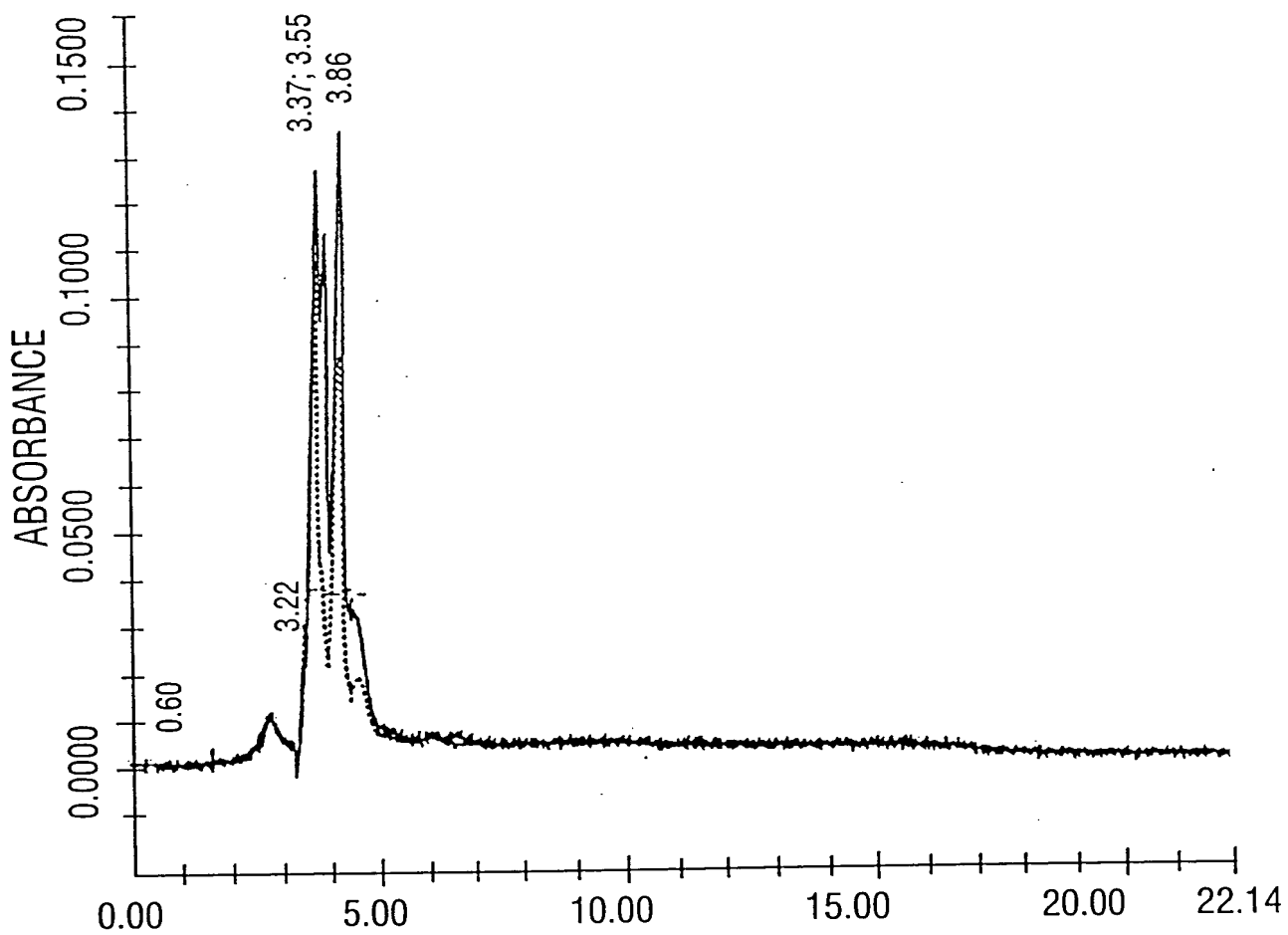


FIG. 20A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

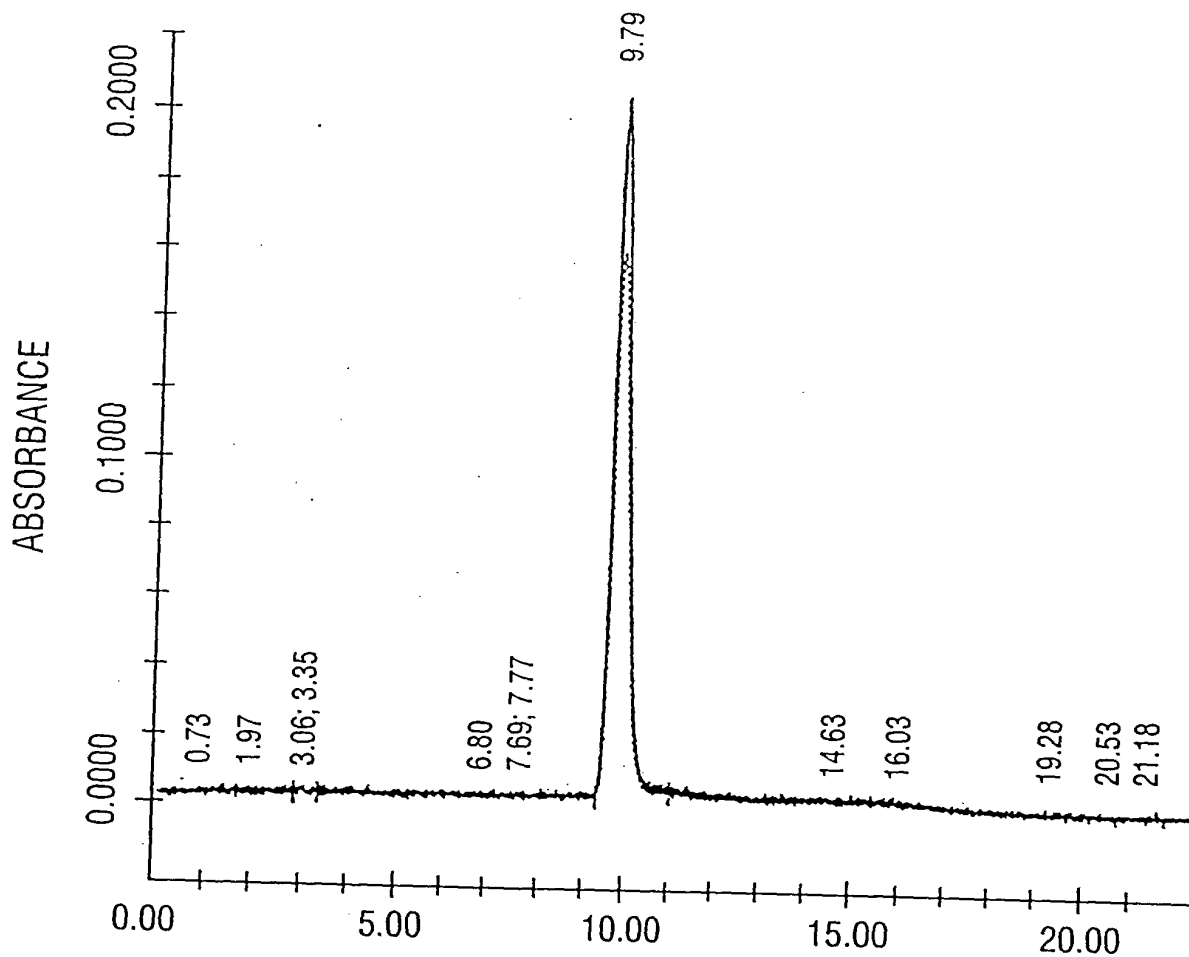


FIG. 20B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

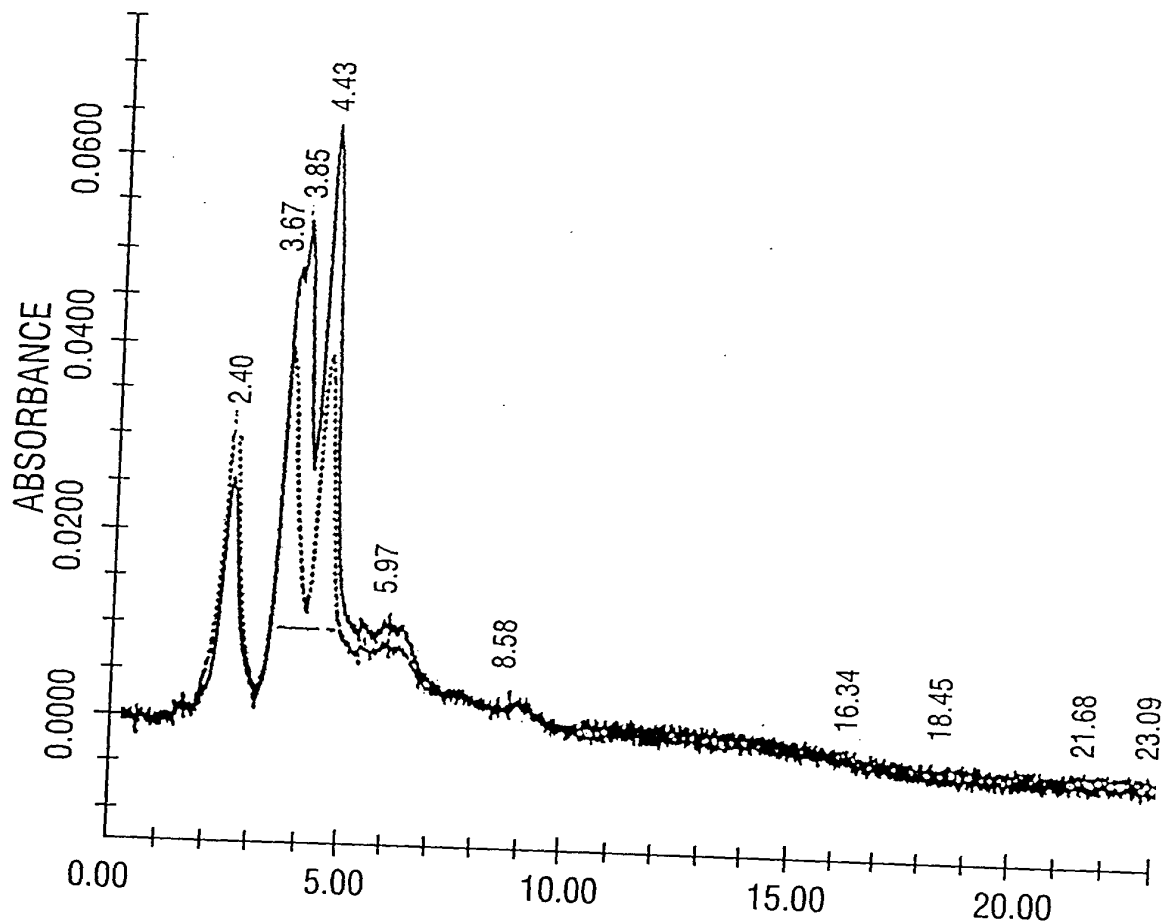


FIG. 20C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

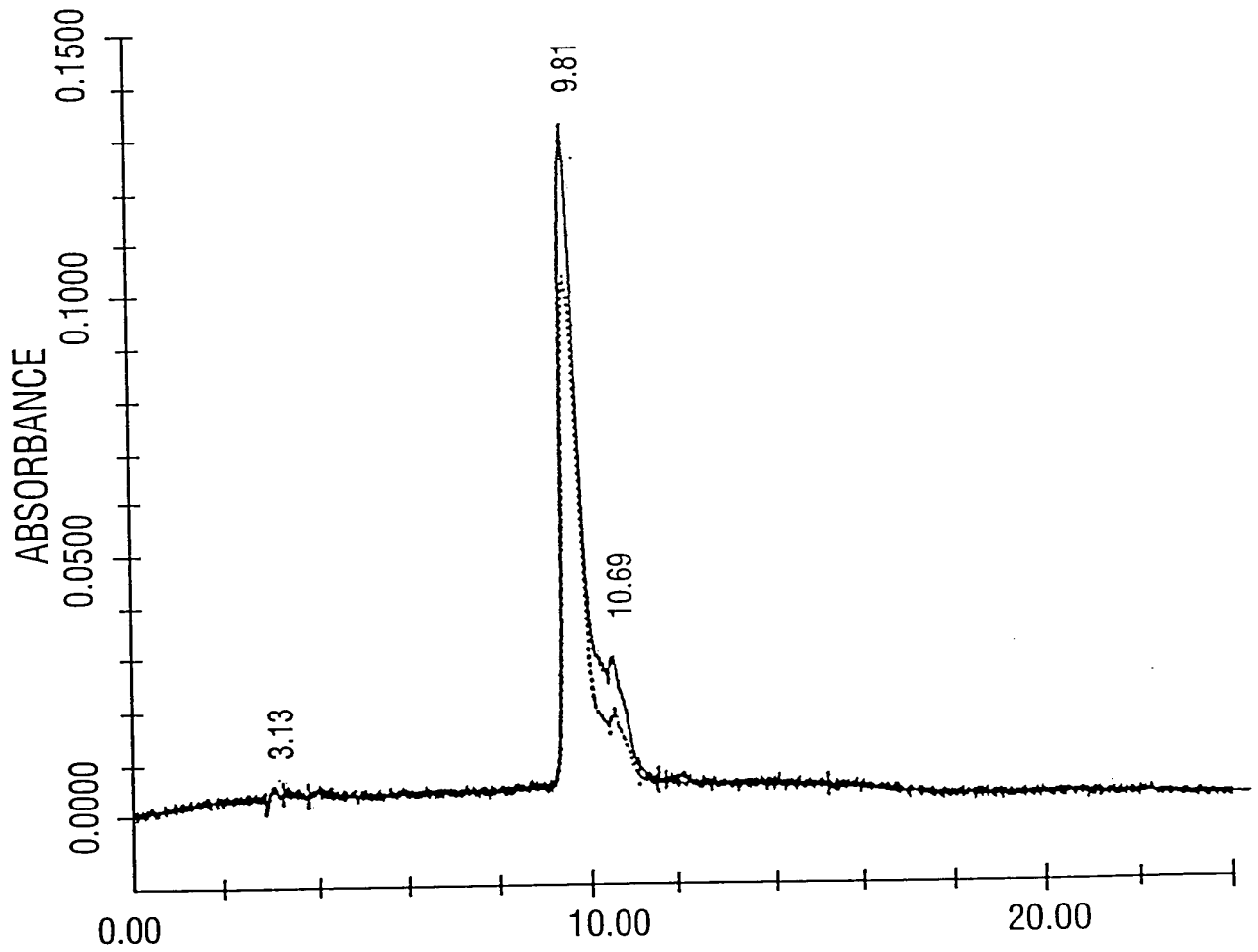


FIG. 20D

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

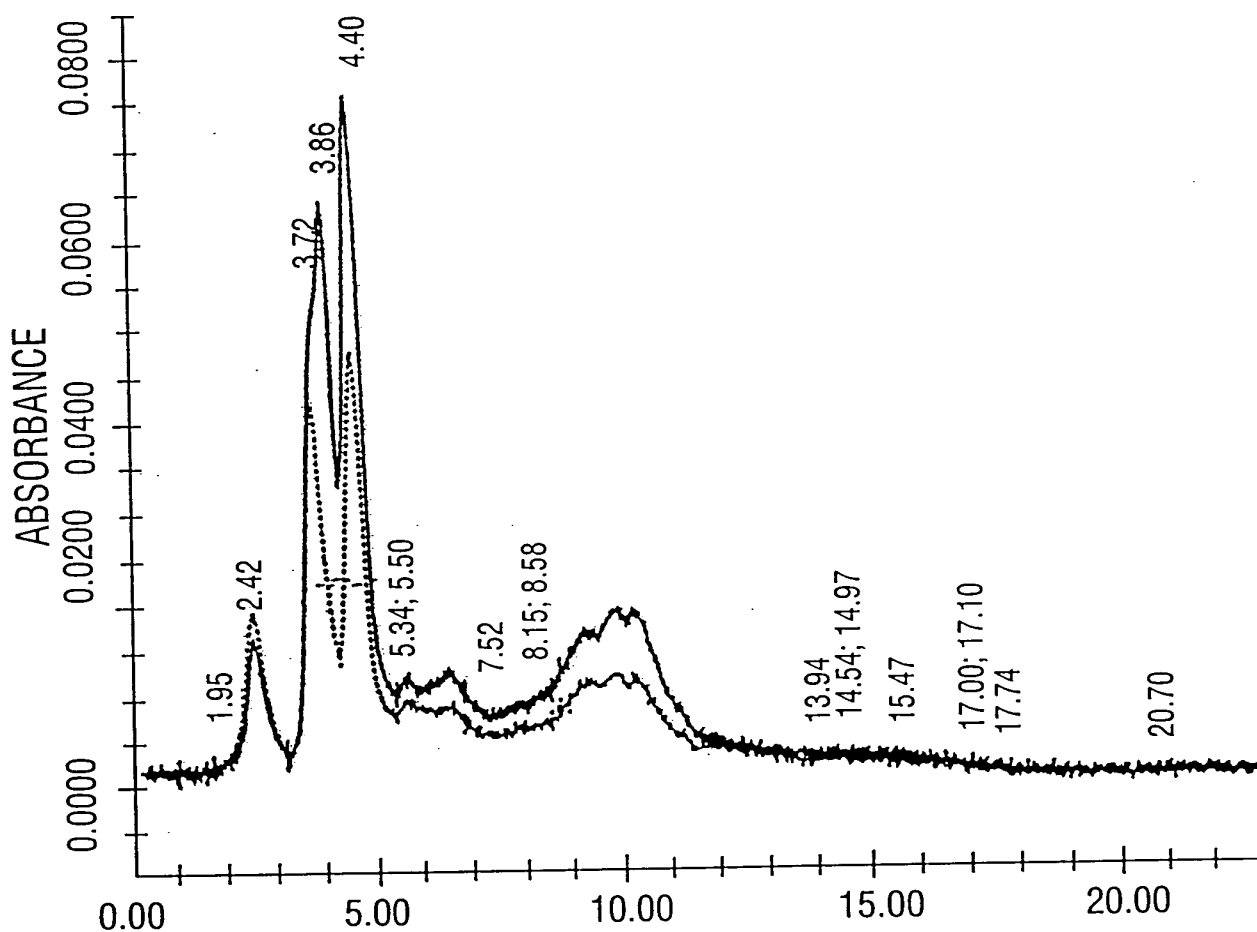


FIG. 20E

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

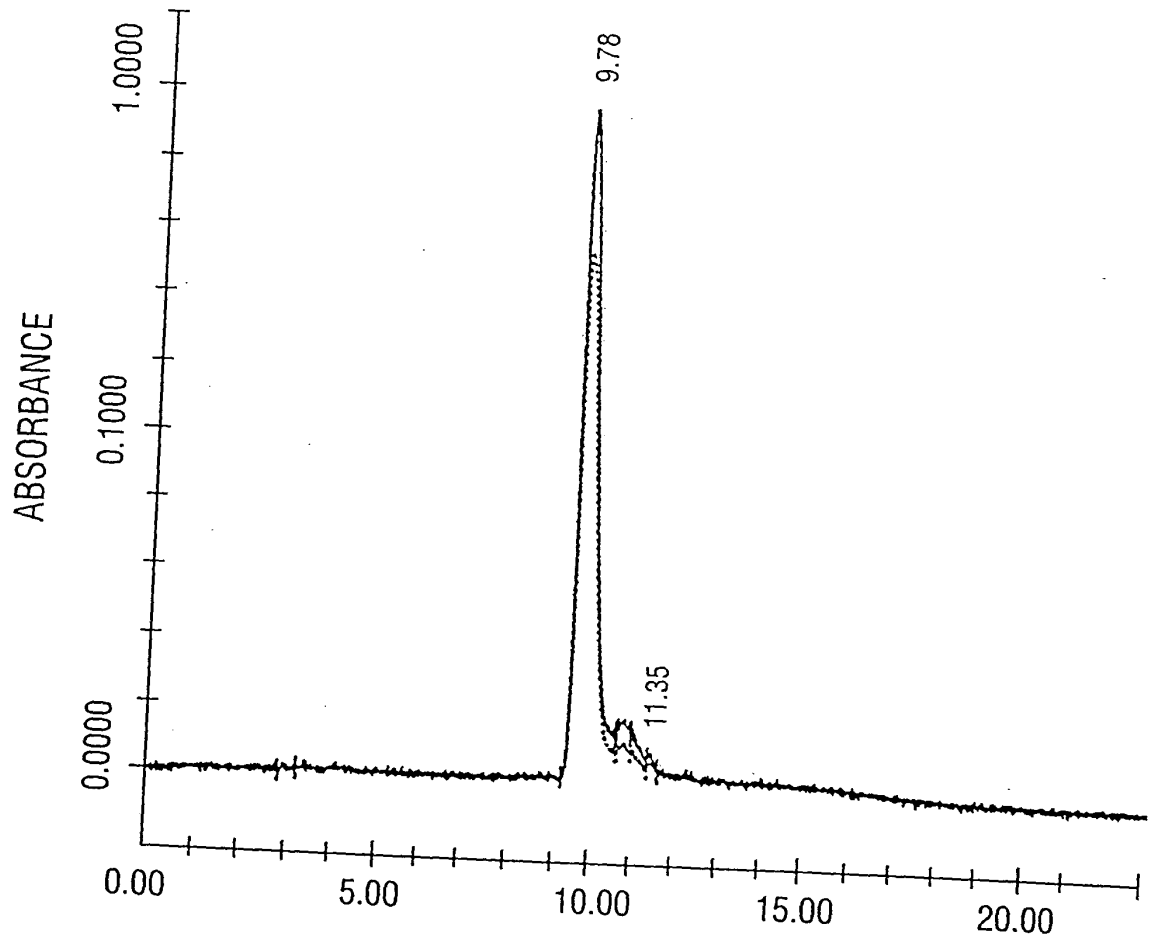
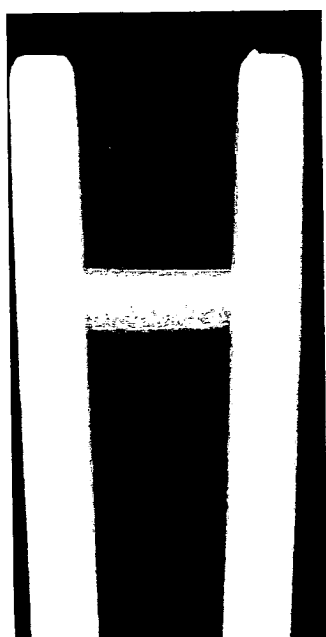


FIG. 20F

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



← DEFECTIVE VIRUS BAND (TITER: 3×10^7 PFU/ml)

← INTACT VIRUS BAND (TITER: 1×10^{11} PFU/ml)

FIG.21

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

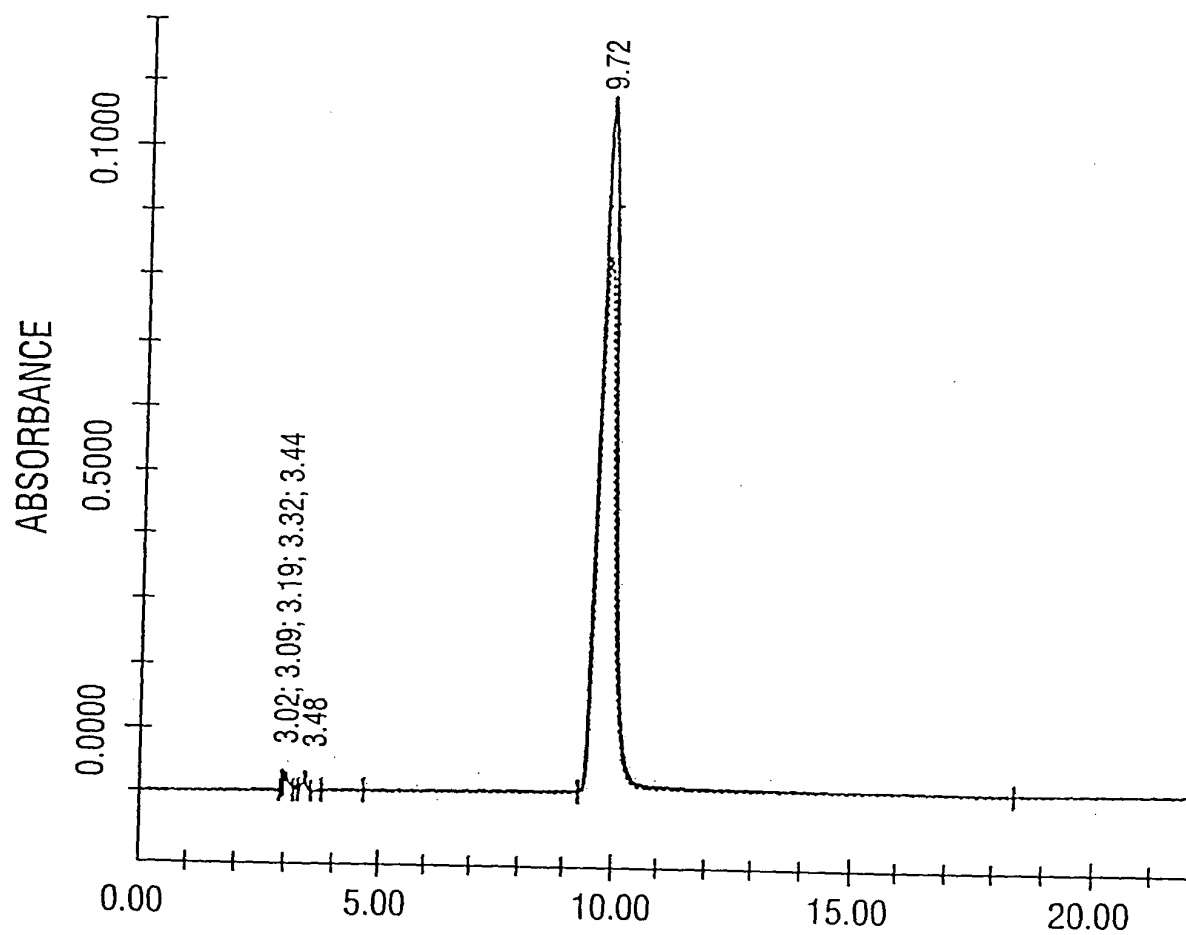


FIG. 22A

APPROVED	O.S. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

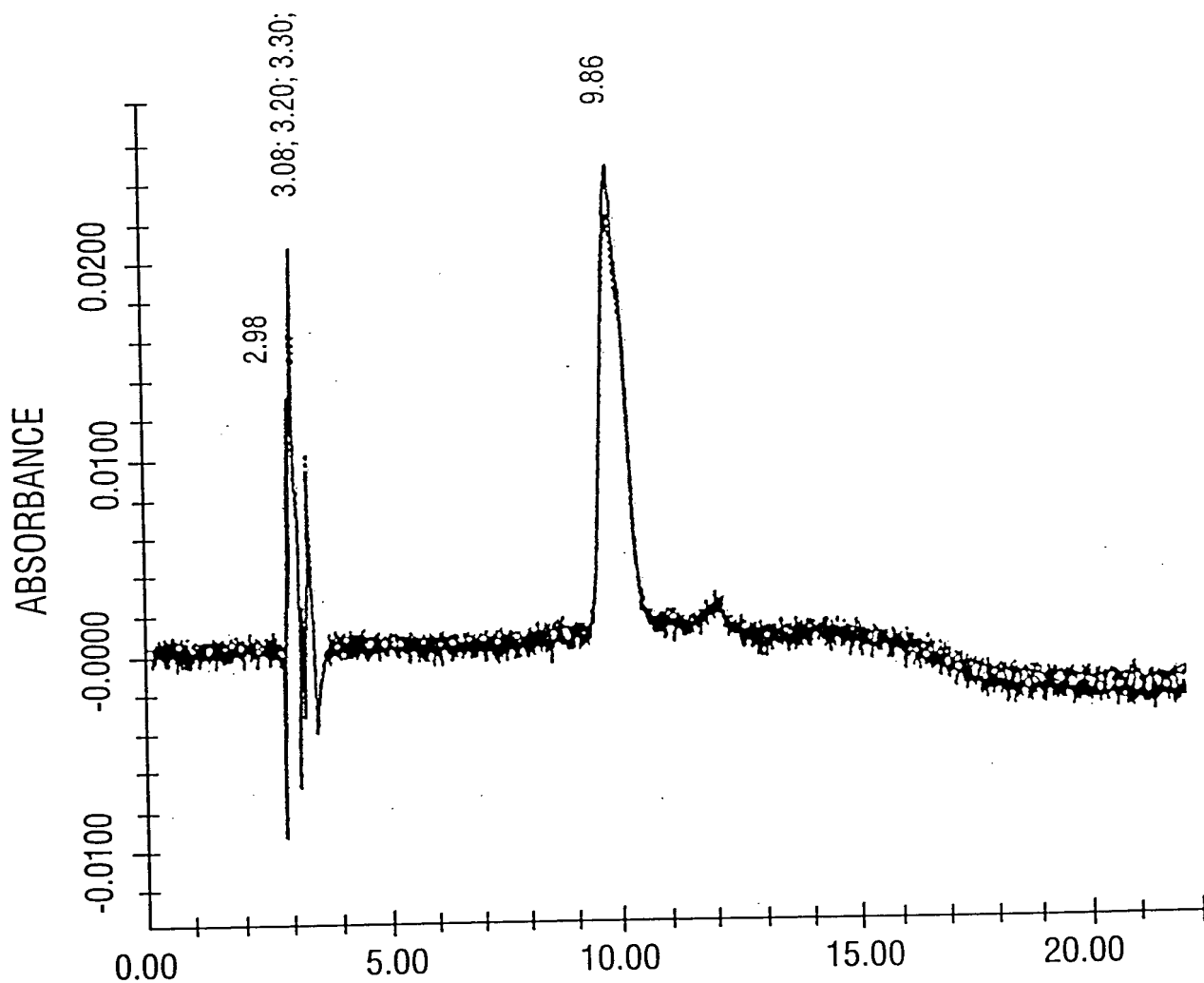


FIG. 22B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

	TILTER (PFU/ML)	VOL. (ml)	YEILD (PFU)	RECOVERY (%)	
				STEP	ACC.
CUBE (LOW PERFUSION RATE KEEP GLUCOSE > 1g/L) 1% TWEEN-20 BUFFER A					
HARVEST					
CLARIFICATION AND FILTRATION (0.22 UM)					
VIRUS SOLUTION	2.6x10 ⁹	1900	4.9x10 ¹²		
CONC./DIAF. (10-FOLD CONC., DIAF INTO 1M NaCl BUFFER A	2.5x10 ¹⁰	200	5x10 ¹²	102%	
CONC. SUP					
BENZONASE TREATMENT (O/N, RT, 100u/ml)					
TREATED SUP					
DILUTED WITH WATER TO CONDUCTIVITY= 22-25 mS/cm	7x10 ⁹	700	4.9x10 ¹²	98%	100%
DILUTED VIRUS SOLUTION	1.5x10 ¹⁰	240	3.6x10 ¹²	73%	73%
PURIFIED VIRUS					
CONC./DIAF (5-FOLD CONC)	7x10 ¹⁰	50	3.5x10 ¹²	97%	71%
FINAL PURIFIED PRODUCT					

FIG. 23